

GRIN Global Survey

December 15, 2009

The GRIN-Global staff collaborated with the TSG and Bioversity to develop a survey instrument via Survey Monkey which Bioversity implemented, capturing user input for desired GRIN-Global features and functions.

A combined total of 444 surveys were returned by international and U.S. respondents. The survey invitations were distributed in September, 2009; all surveys were closed on December 14, 2009.

The surveys were distributed via four main avenues:

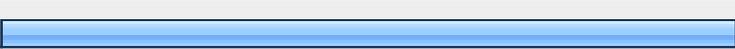
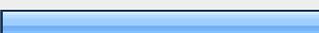
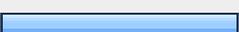
- More than 600 U.S. germplasm committee members received email invitations
- Approximately 186 GIGA contacts received email invitations
- The survey was sent to the GIPB distribution list (about 5600 users)
- GIPB (Global Partnership Initiative for Plant Breeding Capacity Building) also added the survey announcement on one of the slides on the GIPB website homepage (<http://km.fao.org/gipb/>)



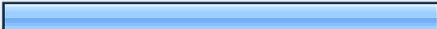
The following pages include summary results for each question. Also, the specific needs, comments, and suggestions provided by the survey takers at the conclusion of the survey were included.

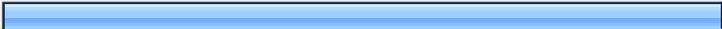
Respectfully submitted,
Martin Reisinger

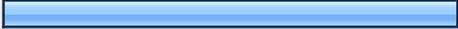
GRIN Global User Interface

1. Check all categories that reflect your perspective and genebank information system usage			
		Response Percent	Response Count
researcher/plant breeder		65.5%	281
researcher/non-breeder		28.2%	121
policy maker		8.2%	35
curator		26.6%	114
genebank staff		21.0%	90
grower/farmer		7.5%	32
If other, please specify:		6.8%	29
answered question			429
skipped question			15

2. Which sector best represents you?

		Response Percent	Response Count
University		25.6%	110
Research Institute		38.6%	166
Government		19.3%	83
Non-Government Organization		4.2%	18
Industry		7.7%	33
General Public		1.4%	6
If other, please specify:		3.3%	14
		<i>answered question</i>	430
		<i>skipped question</i>	14

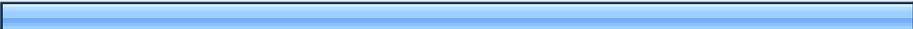
3. What are the main reasons you visit germplasm / genebank resource sites?			Response Percent	Response Count
information retrieval			69.4%	290
germplasm requests			63.9%	267
manage germplasm collection information			42.1%	176
If other, please elaborate:			6.5%	27
<i>answered question</i>				418
<i>skipped question</i>				26

4. Have you ever used the United States Department of Agriculture (USDA) Germplasm Resource Information Network (GRIN) system?			Response Percent	Response Count
Yes			59.7%	250
No			40.3%	169
<i>answered question</i>				419
<i>skipped question</i>				25

5. Please indicate how often you use GRIN for the following functions:

	Frequently	Occasionally	Rarely	Never	Response Count
accession or crop collection information	38.3% (92)	47.9% (115)	11.7% (28)	2.1% (5)	240
taxonomy information	25.0% (57)	36.4% (83)	27.2% (62)	11.4% (26)	228
plant geographic information	14.5% (33)	45.4% (103)	25.1% (57)	15.0% (34)	227
morphological, agronomic, pest, and/or horticultural trait information	22.1% (51)	48.5% (112)	20.8% (48)	8.7% (20)	231
molecular / genetic information	10.0% (22)	26.5% (58)	32.9% (72)	30.6% (67)	219
general information on crop vulnerability & conservation status	6.8% (15)	22.6% (50)	34.4% (76)	36.2% (80)	221
images	13.2% (30)	33.5% (76)	34.4% (78)	18.9% (43)	227
citations / references	10.0% (22)	33.8% (74)	35.2% (77)	21.0% (46)	219
plant variety protection and intellectual property rights information	9.5% (21)	23.0% (51)	37.8% (84)	29.7% (66)	222
casual browsing	9.1% (20)	41.1% (90)	31.5% (69)	18.3% (40)	219
ordering germplasm from genebanks	19.4% (42)	41.2% (89)	21.8% (47)	17.6% (38)	216
				Other (please specify):	10
	answered question				246
	skipped question				198

6. Rate your satisfaction with GRIN's ability to search for (query)...								
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count	
accession or crop collection information	33.3% (75)	47.1% (106)	5.8% (13)	6.7% (15)	2.7% (6)	4.4% (10)	225	
taxonomy information	35.9% (79)	29.1% (64)	12.3% (27)	6.8% (15)	0.9% (2)	15.0% (33)	220	
plant geographic information	19.6% (43)	35.2% (77)	17.8% (39)	6.4% (14)	2.3% (5)	18.7% (41)	219	
morphological, agronomic, pest, and/or horticultural trait information	15.7% (34)	39.6% (86)	15.7% (34)	12.4% (27)	3.7% (8)	12.9% (28)	217	
molecular / genetic information	3.8% (8)	19.8% (42)	21.7% (46)	8.0% (17)	4.7% (10)	42.0% (89)	212	
general information on crop vulnerability & conservation status	7.0% (15)	20.0% (43)	21.9% (47)	10.7% (23)	0.9% (2)	39.5% (85)	215	
images	8.8% (19)	36.3% (78)	16.3% (35)	12.1% (26)	1.9% (4)	24.7% (53)	215	
citations / references	13.2% (28)	27.4% (58)	18.9% (40)	5.7% (12)	1.9% (4)	33.0% (70)	212	
plant variety protection and intellectual property rights information	9.6% (20)	27.3% (57)	19.1% (40)	6.2% (13)	1.0% (2)	36.8% (77)	209	
Other querying (please specify):							7	
							answered question	229
							skipped question	215

7. Do you wish to provide comments on any of the querying features?			Response Percent	Response Count
Yes			18.8%	43
No			81.2%	186
		<i>answered question</i>		229
		<i>skipped question</i>		215

8. Querying Accession or Crop Collection Information Specify what factor(s) have contributed most to your level or satisfaction when querying accession or crop collection information:			Response Count
			28
		<i>answered question</i>	28
		<i>skipped question</i>	416

9. Indicate features you would like to see implemented to assist you in querying accession or crop collection information:			Response Count
			30
		<i>answered question</i>	30
		<i>skipped question</i>	414

10. Querying Taxonomy Information Specify what factor(s) have contributed most to your level or satisfaction when querying taxonomy information:		Response Count
		23
	<i>answered question</i>	23
	<i>skipped question</i>	421

11. Indicate features you would like to see implemented to assist you in querying taxonomy information:		Response Count
		14
	<i>answered question</i>	14
	<i>skipped question</i>	430

12. Querying Geographic Information Specify what factor(s) have contributed most to your level or satisfaction when querying plant geographic information:		Response Count
		24
	<i>answered question</i>	24
	<i>skipped question</i>	420

13. Indicate features you would like to see implemented to assist you in querying plant geographic information:		Response Count
		23
	<i>answered question</i>	23
	<i>skipped question</i>	421

14. Querying Morphological, Agronomic, Pest, and/or Horticultural Trait Information Specify what factor(s) have contributed most to your level or satisfaction when querying morphological, agronomic, pest, and/or horticultural trait information:		Response Count
		23
	<i>answered question</i>	23
	<i>skipped question</i>	421

15. Indicate features you would like to see implemented to assist you in querying morphological, agronomic, pest, and/or horticultural trait information:		Response Count
		22
	<i>answered question</i>	22
	<i>skipped question</i>	422

16. Querying Molecular / Genetic Information Specify what factor(s) have contributed most to your level or satisfaction when querying molecular / genetic information:		Response Count
		19
	<i>answered question</i>	19
	<i>skipped question</i>	425

17. Indicate features you would like to see implemented to assist you in querying molecular / genetic information:		Response Count
		11
	<i>answered question</i>	11
	<i>skipped question</i>	433

18. General Information on Crop Vulnerability & Conservation Status Specify what factor(s) have contributed most to your level or satisfaction when querying general information on crop vulnerability & conservation status:		Response Count
		17
	<i>answered question</i>	17
	<i>skipped question</i>	427

19. Indicate features you would like to see implemented to assist you in querying general information on crop vulnerability & conservation status:		Response Count
		12
	<i>answered question</i>	12
	<i>skipped question</i>	432

20. Querying for Images Specify what factor(s) have contributed most to your level or satisfaction when querying for images:		Response Count
		23
	<i>answered question</i>	23
	<i>skipped question</i>	421

21. Indicate features you would like to see implemented to assist you in querying for images:		Response Count
		22
	<i>answered question</i>	22
	<i>skipped question</i>	422

22. Querying Literature Citations and References (in GRIN) Specify what factor(s) have contributed most to your level or satisfaction when querying for literature citations and references:

		Response Count
		17
	<i>answered question</i>	17
	<i>skipped question</i>	427

23. Indicate features you would like to see implemented to assist you in querying literature citations and references:

		Response Count
		15
	<i>answered question</i>	15
	<i>skipped question</i>	429

24. Querying Protection and Intellectual Property Rights Information Specify what factor(s) have contributed most to your level or satisfaction when querying protection and intellectual property rights information:

		Response Count
		15
	<i>answered question</i>	15
	<i>skipped question</i>	429

25. Indicate features you would like to see implemented to assist you in querying protection and intellectual property rights information:		Response Count
		10
	<i>answered question</i>	10
	<i>skipped question</i>	434

26. Rate your satisfaction with...							
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count
reporting and exporting data	11.1% (23)	36.7% (76)	15.0% (31)	9.7% (20)	1.4% (3)	26.1% (54)	207
	<i>answered question</i>						207
	<i>skipped question</i>						237

27. Specify what factor(s) have contributed most to your level of satisfaction when reporting and exporting data.		Response Count
		57
	<i>answered question</i>	57
	<i>skipped question</i>	387

28. Indicate features you would like to see implemented to assist you with reporting and exporting data:		Response Count
		55
	<i>answered question</i>	55
	<i>skipped question</i>	389

29. Rate your satisfaction with GRIN's ability for...							
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count
casual browsing	18.6% (35)	37.2% (70)	11.7% (22)	5.9% (11)	4.3% (8)	22.3% (42)	188
	<i>answered question</i>						188
	<i>skipped question</i>						256

30. Specify what factor(s) have contributed most to your level of satisfaction when casual browsing:		Response Count
		47
	<i>answered question</i>	47
	<i>skipped question</i>	397

31. Indicate features you would like to see implemented to assist you in casual browsing:		Response Count
		39
	<i>answered question</i>	39
	<i>skipped question</i>	405

32. Rate your satisfaction with GRIN's ability for...							
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count
ordering germplasm from genebanks	40.0% (76)	24.2% (46)	9.5% (18)	1.6% (3)	0.0% (0)	24.7% (47)	190
	<i>answered question</i>						190
	<i>skipped question</i>						254

33. Specify what factor(s) have contributed most to your level of satisfaction when ordering germplasm from genebanks:		Response Count
		58
	<i>answered question</i>	58
	<i>skipped question</i>	386

34. Indicate features you would like to see implemented to assist you in ordering germplasm from genebanks:		
		Response Count
		36
<i>answered question</i>		36
<i>skipped question</i>		408

35. Have you ever used plant genebank / genetic resource information management systems other than GRIN?			
		Response Percent	Response Count
Yes		64.5%	247
No		35.5%	136
<i>answered question</i>			383
<i>skipped question</i>			61

36. Please list any genebank / germplasm information management systems (excluding GRIN) that you have used frequently, or occasionally, to search for accession or crop collection information. (List them in order by usage, from most frequent to least frequent usage.)		
		Response Count
		218
<i>answered question</i>		218
<i>skipped question</i>		226

37. Please indicate how often you use genebank information management systems (other than GRIN) for the following specific functions.

	Frequently	Occasionally	Rarely	Never	Response Count
accession or crop collection information	34.9% (81)	43.1% (100)	19.8% (46)	2.2% (5)	232
taxonomy information	19.4% (42)	33.3% (72)	31.5% (68)	15.7% (34)	216
plant geographic information	16.8% (37)	33.6% (74)	36.8% (81)	12.7% (28)	220
morphological, agronomic, pest, and/or horticultural trait information	28.1% (63)	38.8% (87)	22.8% (51)	10.3% (23)	224
molecular / genetic information	15.7% (35)	22.4% (50)	30.0% (67)	31.8% (71)	223
general information on crop vulnerability & conservation status	15.9% (34)	21.5% (46)	32.2% (69)	30.4% (65)	214
images	14.5% (32)	32.7% (72)	29.5% (65)	23.2% (51)	220
citations / references	14.4% (31)	25.5% (55)	28.2% (61)	31.9% (69)	216
plant variety protection and intellectual property rights information	7.5% (16)	17.5% (37)	35.8% (76)	39.2% (83)	212
casual browsing	12.1% (26)	33.0% (71)	30.2% (65)	24.7% (53)	215
ordering germplasm from genebanks	11.3% (24)	33.8% (72)	31.9% (68)	23.0% (49)	213
				Other (please specify):	11
				answered question	241
				skipped question	203

38. Rate your satisfaction with ability to search for (query)...							
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count
accession or crop collection information	25.9% (58)	44.2% (99)	8.0% (18)	9.8% (22)	4.9% (11)	7.1% (16)	224
taxonomy information	20.0% (43)	33.0% (71)	17.7% (38)	7.4% (16)	4.7% (10)	17.2% (37)	215
plant geographic information	14.0% (30)	34.4% (74)	18.1% (39)	8.8% (19)	5.1% (11)	19.5% (42)	215
morphological, agronomic, pest, and/or horticultural trait information	14.5% (32)	39.1% (86)	12.7% (28)	10.9% (24)	5.9% (13)	16.8% (37)	220
molecular / genetic information	7.0% (15)	22.8% (49)	19.5% (42)	9.3% (20)	7.9% (17)	33.5% (72)	215
general information on crop vulnerability & conservation status	3.8% (8)	27.5% (58)	20.9% (44)	8.1% (17)	3.8% (8)	36.0% (76)	211
images	9.4% (20)	25.5% (54)	20.3% (43)	8.5% (18)	4.2% (9)	32.1% (68)	212
citations / references	6.2% (13)	30.6% (64)	19.6% (41)	6.2% (13)	2.4% (5)	34.9% (73)	209
plant variety protection and intellectual property rights information	4.7% (10)	19.0% (40)	19.9% (42)	6.2% (13)	5.2% (11)	45.0% (95)	211
Other querying (please specify):							6
answered question							230
skipped question							214

39. Do you wish to provide specific comments on any of the querying features of genebank / germplasm information systems (other than GRIN)?			Response Percent	Response Count
Yes			12.8%	29
No			87.2%	197
			<i>answered question</i>	226
			<i>skipped question</i>	218

40. Specify what factor(s) have contributed most to your level of satisfaction when you have queried accession or crop collection information. Also, identify specific germplasm information management system(s) used (other than GRIN):			Response Count
			25
			<i>answered question</i>
			25
			<i>skipped question</i>
			419

41. Indicate features you would like to see implemented to assist you in querying accession or crop collection information:			Response Count
			21
			<i>answered question</i>
			21
			<i>skipped question</i>
			423

42. Specify what factor(s) have contributed most to your level of satisfaction when you have queried taxonomy information. Also, identify specific germplasm information management system(s) used (other than GRIN):

		Response Count
		16
	<i>answered question</i>	16
	<i>skipped question</i>	428

43. Indicate features you would like to see implemented to assist you in querying taxonomy information:

		Response Count
		14
	<i>answered question</i>	14
	<i>skipped question</i>	430

44. Geographic Information Specify what factor(s) have contributed most to your level or satisfaction when querying plant geographic information. Also, identify specific germplasm information management system(s) used (other than GRIN):

		Response Count
		15
	<i>answered question</i>	15
	<i>skipped question</i>	429

45. Indicate features you would like to see implemented to assist you in querying plant geographic information:		Response Count
		14
	<i>answered question</i>	14
	<i>skipped question</i>	430

46. Querying Morphological, Agronomic, Pest, and/or Horticultural Trait Information Specify what factor(s) have contributed most to your level or satisfaction when querying morphological, agronomic, pest, and/or horticultural trait information. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		16
	<i>answered question</i>	16
	<i>skipped question</i>	428

47. Indicate features you would like to see implemented to assist you in querying morphological, agronomic, pest, and/or horticultural trait information:		Response Count
		13
	<i>answered question</i>	13
	<i>skipped question</i>	431

48. Querying Molecular / Genetic Information Specify what factor(s) have contributed most to your level or satisfaction when querying molecular / genetic information. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		13
	<i>answered question</i>	13
	<i>skipped question</i>	431

49. Indicate features you would like to see implemented to assist you in querying molecular / genetic information:		Response Count
		13
	<i>answered question</i>	13
	<i>skipped question</i>	431

50. General Information on Crop Vulnerability & Conservation Status Specify what factor(s) have contributed most to your level or satisfaction when querying general information on crop vulnerability & conservation status. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		11
	<i>answered question</i>	11
	<i>skipped question</i>	433

51. Indicate features you would like to see implemented to assist you in querying general information on crop vulnerability & conservation status:		
		Response Count
		9
	<i>answered question</i>	9
	<i>skipped question</i>	435

52. Querying for Images Specify what factor(s) have contributed most to your level or satisfaction when querying for images. Also, identify specific germplasm information management system(s) used (other than GRIN):		
		Response Count
		12
	<i>answered question</i>	12
	<i>skipped question</i>	432

53. Indicate features you would like to see implemented to assist you in querying for images:		
		Response Count
		11
	<i>answered question</i>	11
	<i>skipped question</i>	433

54. Querying Literature Citations and References Specify what factor(s) have contributed most to your level or satisfaction when querying for literature citations and references. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		9
	<i>answered question</i>	9
	<i>skipped question</i>	435

55. Indicate features you would like to see implemented to assist you in querying literature citations and references:		Response Count
		12
	<i>answered question</i>	12
	<i>skipped question</i>	432

56. Querying Protection and Intellectual Property Rights Information Specify what factor(s) have contributed most to your level or satisfaction when querying protection and intellectual property rights information. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		9
	<i>answered question</i>	9
	<i>skipped question</i>	435

57. Indicate features you would like to see implemented to assist you in querying protection and intellectual property rights information:		Response Count
		9
	<i>answered question</i>	9
	<i>skipped question</i>	435

58. Rate your satisfaction with...							
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count
reporting and exporting data	9.9% (20)	38.9% (79)	20.2% (41)	5.4% (11)	4.4% (9)	21.2% (43)	203
	<i>answered question</i>						203
	<i>skipped question</i>						241

59. Specify what factor(s) have contributed most to your level of satisfaction when reporting and exporting data. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		56
	<i>answered question</i>	56
	<i>skipped question</i>	388

60. Indicate features you would like to see implemented to assist you with reporting and exporting data:		Response Count
		47
	<i>answered question</i>	47
	<i>skipped question</i>	397

61. Rate your satisfaction for...							
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count
casual browsing	9.6% (18)	36.2% (68)	18.1% (34)	4.8% (9)	3.7% (7)	27.7% (52)	188
	<i>answered question</i>						188
	<i>skipped question</i>						256

62. Specify what factor(s) have contributed most to your level of satisfaction when casual browsing. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		39
	<i>answered question</i>	39
	<i>skipped question</i>	405

63. Indicate features you would like to see implemented to assist you in casual browsing:		Response Count
		31
	<i>answered question</i>	31
	<i>skipped question</i>	413

64. Rate your satisfaction with for...							
	Very Satisfied	Somewhat Satisfied	Undecided	Somewhat Dissatisfied	Very Dissatisfied	No Opinion	Response Count
ordering germplasm from genebanks	16.4% (32)	31.8% (62)	13.3% (26)	6.7% (13)	3.6% (7)	28.2% (55)	195
	<i>answered question</i>						195
	<i>skipped question</i>						249

65. Specify what factor(s) have contributed most to your level of satisfaction when ordering germplasm from genebanks. Also, identify specific germplasm information management system(s) used (other than GRIN):		Response Count
		53
	<i>answered question</i>	53
	<i>skipped question</i>	391

66. Indicate features you would like to see implemented to assist you in ordering germplasm from genebanks:		Response Count
		34
	<i>answered question</i>	34
	<i>skipped question</i>	410

67. Website interfaces have evolved a great deal since the early days of the Internet. Can you give examples of germplasm information management websites (or any other websites) with features that have proven to be most useful to you?		Response Count
		165
	<i>answered question</i>	165
	<i>skipped question</i>	279

68. Need or Concern (Highest Priority)		Response Count
		203
	<i>answered question</i>	203
	<i>skipped question</i>	241

69. Additional Needs or Concerns		Response Count
		80
	<i>answered question</i>	80
	<i>skipped question</i>	364

70. Additional comments / suggestions to communicate to the GRIN-Global developers. Please provide as much specific information as possible.		Response Count
		61
	<i>answered question</i>	61
	<i>skipped question</i>	383

GRIN Global User Interface

Website interfaces have evolved a great deal since the early days of the Internet. Can you give examples of germplasm information management websites (or any other websites) with features that have proven to be most useful to you?		
		Response Count
		165
	<i>answered question</i>	165
	<i>skipped question</i>	279

Response Text		
1	USDA's Economic Research Service has a web site that has proven useful for finding the large amounts of nifty information they offer.	Sep 9, 2009 11:11 AM
2	SINGER ILDIS	Sep 9, 2009 1:47 PM
3	http://www.ufv.br/BGH/	Sep 9, 2009 2:04 PM
4	Our own germplasm collections at CIAT	Sep 9, 2009 2:08 PM
5	PLANTS National Database; Univ. of FL EDIS website	Sep 9, 2009 2:08 PM
6	www.avocadosource.com	Sep 9, 2009 2:12 PM
7	No, I always use GRIN, and I like it.	Sep 9, 2009 2:25 PM
8	No information	Sep 9, 2009 2:32 PM
9	AusPGRIS	Sep 9, 2009 2:39 PM
10	I find the plants.gov database to be extremely useful, especially as they extensively link to synonyms and have most of the information for each species right on the same page. Any of the many shopping cart systems used in web-based stores, library catalogs, etc would be an improvement for requesting germplasm Google-style searching, that doesn't require mastery of a complex query language	Sep 9, 2009 2:39 PM
11	Help buttons examples	Sep 9, 2009 2:41 PM
12	Other websites that have been useful to me: American Phytopathological Society, National Hurricane Center	Sep 9, 2009 2:52 PM
13	pedigree information on varieties	Sep 9, 2009 3:09 PM
14	http://www.cipotato.org/research/genebank/search Conflict of Interest: Provider/developer of the database; the underlying biomart system is not developed by CIP: http://www.biomart.org with pointers to other implementations.	Sep 9, 2009 3:11 PM
15	http://www.maizegdb.org/stock.php	Sep 9, 2009 3:30 PM
16	cimmyt.org ciat.cgiar.org	Sep 9, 2009 3:34 PM

Response Text		
17	While not necessarily a germplasm information management website, Google is flexible enough to allow repeated iterations of query formulations, used to narrow the results products. It is interesting to me that if Google were to perform a user profile, it would likely result in a multitude of actual users, yet the Google interface is as simple as possible. We, on the other hand, don't know who are users are, or what they want, or have very specific ideas on user needs, crafting our systems to those perceived needs and requirements -- resulting in in-flexible systems that require training. Our interfaces must be intuitively designed, to allow the simplest access, which can lead to more complex queries as the user demands/requires.	Sep 9, 2009 3:41 PM
18	Google searching has really flexible search features. You don't need to get the precise search term right. Amazon has great searching for "product features." CNet also has great searching for "product features."	Sep 9, 2009 3:43 PM
19	GBIF server	Sep 9, 2009 4:14 PM
20	no	Sep 9, 2009 4:27 PM
21	Use information from the Gene Bank of Embrapa and UFRB (Brazil).	Sep 9, 2009 4:47 PM
22	No que sea más útil.	Sep 9, 2009 4:58 PM
23	Google has many features I like. The NCBI site has many features I like. I like hyperlinks, especially to material that substantiates the primary site. I like view options like a genetic map that can be viewed with all the marker names or all the marker types or all the sequence similarities or all the QTL. That's what I meant by different views. I like Google Earth that allows me to see the map plain or with all the roads, or with all the hotels. I like being able to click on a spot and see a picture of what it looks like at ground level or read a history of the place. I like connectedness within the site and to other sites.	Sep 9, 2009 5:10 PM
24	AusPGRIS - Australian Plant Genetic Resource Information Service	Sep 9, 2009 5:11 PM
25	Clear ability to negotiate among different parts. Short drop downs only--never have to scroll among different items on a drop-down. Accurate and timely information. Easy access to a phone number and email of a person to contact for more information--such as, on the accession page, the name, phone number, and email address for the person responsible for distributing that accession.	Sep 9, 2009 5:16 PM
26	Vegetable Cultivar List, Seedquest,	Sep 9, 2009 5:20 PM
27	Soyabase	Sep 9, 2009 5:38 PM
28	Various databases from botanical gardens (e.g., BG Base)	Sep 9, 2009 5:50 PM
29	NO remember	Sep 9, 2009 5:56 PM
30	-	Sep 9, 2009 6:05 PM
31	IRIS	Sep 9, 2009 6:11 PM
32	No	Sep 9, 2009 6:41 PM
33	The Bioversity site has been very useful.	Sep 9, 2009 7:44 PM
34	Komugi and Singer have nice search capabilities.	Sep 9, 2009 9:03 PM
35	http://www.vivc.bafz.de/index.php	Sep 9, 2009 9:04 PM
36	none	Sep 9, 2009 9:53 PM
37	N/A	Sep 9, 2009 10:17 PM
38	GRIN AusPGRIS (although there is no export function to excel which would be very handy)	Sep 9, 2009 10:43 PM
39	http://www.gramene.org http://markers.btk.fi	Sep 9, 2009 11:38 PM
40	None	Sep 9, 2009 11:41 PM

Response Text		
41	IRIS	Sep 9, 2009 11:46 PM
42	Rice system as established at International Rice Research Institute(IRRI Rice genebank)	Sep 10, 2009 12:00 AM
43	DNA sequencing for comparison. Bioinformatics tools	Sep 10, 2009 12:19 AM
44	ARBIDOPSIS AND RICE	Sep 10, 2009 12:41 AM
45	http://www.knowledgebank.irri.org/	Sep 10, 2009 12:48 AM
46	Bioersity, Gender and bioersity	Sep 10, 2009 2:04 AM
47	I donot have idea	Sep 10, 2009 4:01 AM
48	IPGRI	Sep 10, 2009 4:07 AM
49	Grin image data is still very limited for the crops I am interested in	Sep 10, 2009 4:45 AM
50	Since I work with oilseed crops, I generally use GRIN and IPGRI sites for procurement of germplasm.	Sep 10, 2009 4:46 AM
51	websites of CIP, Lima, Peru; SCRI, UK and USDA, Wisconsin	Sep 10, 2009 5:00 AM
52	BLAST	Sep 10, 2009 5:02 AM
53	Popup Tips regarding Germplasm Management is necessary to incorporate in such websites. It provides extra information for users in handling and managing a germplasm collections.	Sep 10, 2009 5:06 AM
54	GRIN comes first to my mind	Sep 10, 2009 5:29 AM
55	Royal Botanic Gardens KEW GRIN Flora of Israel	Sep 10, 2009 5:38 AM
56	www.cimmyt.org	Sep 10, 2009 5:51 AM
57	no	Sep 10, 2009 5:57 AM
58	bioersity international	Sep 10, 2009 6:14 AM
59	GIBs	Sep 10, 2009 6:35 AM
60	In my rating GRIN is leading (user friendly, effective search, reliability, complex information provided)	Sep 10, 2009 6:49 AM
61	IRIS	Sep 10, 2009 7:27 AM
62	no	Sep 10, 2009 7:36 AM
63	EURISCO	Sep 10, 2009 8:12 AM
64	No, do not use online germplasm information management yet	Sep 10, 2009 8:44 AM
65	SINGER	Sep 10, 2009 9:01 AM
66	None at the moment	Sep 10, 2009 9:26 AM
67	http://www.gene.affrc.go.jp/about_en.php	Sep 10, 2009 9:35 AM
68	no	Sep 10, 2009 9:47 AM
69	CIAT WEBSITE - EASY TO UNDERSTAND	Sep 10, 2009 10:20 AM
70	http://www.irri.cgiar.org http://www.warda.cgiar	Sep 10, 2009 10:23 AM
71	I visited a lot	Sep 10, 2009 10:28 AM
72	www.spgrc.org http://eurisco.ecpgr.org	Sep 10, 2009 12:11 PM
73	search engine type of webpage,,, specially Google	Sep 10, 2009 12:28 PM
74	GRIN-CA	Sep 10, 2009 1:04 PM
75	The commercial sites guide you to most popular items (with people also ordered ...). This could help develop informal cores based on similar interests.	Sep 10, 2009 1:44 PM
76	NCBI	Sep 10, 2009 2:05 PM
77	http://www.cenargen.embrapa.br/recgen/sibrargen/consultas.html	Sep 10, 2009 3:31 PM

Response Text		
78	shopping cart - add to cart - then checkout.	Sep 10, 2009 3:52 PM
79	CGIAR Centres	Sep 10, 2009 5:14 PM
80	No	Sep 10, 2009 5:46 PM
81	I've spent most of my time with GRIN and the little time I spent with SINGER left me very displeased with that particular system.	Sep 10, 2009 8:49 PM
82	We have been looking at plant breeding databases that that may provide similar services. The services of most interest to a plant breeder as far as germplasm goes is the ability to find plants with extreme values for some traits, or values higher than a standard variety and to rank them by the trait and export it to a spreadsheet. Other nice features to see would be: <ul style="list-style-type: none"> - photos of fruit, flowers, leaves, whole plants - summary of the characteristics at a genera, species and genotype level (including fertility barriers). - genetic relationship dendrogram between species and within species to understand genetic diversity/relationship. - pedigree dendrogram and the ability to export the pedigree as a datafile or tree - DNA markers for traits - mapping origin of the species. - references and contacts 	Sep 10, 2009 9:50 PM
83	None	Sep 10, 2009 10:22 PM
84	No	Sep 11, 2009 4:53 AM
85	No so well versed in web interface	Sep 11, 2009 4:55 AM
86	GBIS (German Genebank)	Sep 11, 2009 6:13 AM
87	google	Sep 11, 2009 9:38 AM
88	www.avrdc.org	Sep 11, 2009 10:56 AM
89	GIPB Bioversity	Sep 11, 2009 11:49 AM
90	Charles Rick Tomato Resource Center Solanacea Genomics Network	Sep 11, 2009 1:01 PM
91	singer	Sep 11, 2009 2:24 PM
92	GRIN is the best system I was able to use despite its shortcomings	Sep 11, 2009 2:40 PM
93	Biodiversity International	Sep 11, 2009 3:02 PM
94	Ordering, browsing, and integration of genetic information on the NASC website is very good.	Sep 11, 2009 4:32 PM
95	I do not have a skill to tell you but I ask the person who is an ability to concept it	Sep 12, 2009 6:26 AM
96	none	Sep 12, 2009 8:58 AM
97	I am working on rose, a flower crop. I have not found any germplasm information management website for the same.	Sep 12, 2009 11:36 AM
98	Indeed GRIN is the most comprehensive database for PGR. Other important websites of germplasm information: SESTO; Mansfeld's Database; EURISCO.	Sep 12, 2009 2:02 PM
99	None ,we are trying to begin to use .	Sep 12, 2009 2:33 PM
100	We have used only one (GMS)	Sep 13, 2009 4:33 AM
101	MS Exell	Sep 13, 2009 6:48 AM
102	US GRIN	Sep 13, 2009 7:47 AM
103	lpgr@cgiar.org	Sep 13, 2009 12:52 PM
104	ICRAF MULTIPURPOSE TREE GERMPASM DATABASE	Sep 13, 2009 1:45 PM
105	none	Sep 13, 2009 2:28 PM
106	http://www.embrapa.br/kw_storage/keyword.2007-06-15.4283640463	Sep 14, 2009 9:56 AM
107	excellent	Sep 14, 2009 1:50 PM
108	GIMS	Sep 14, 2009 4:17 PM

Response Text		
109	I find online banking systems generally useful - not sure how helpful this is!	Sep 14, 2009 5:00 PM
110	Not competent enough to answer this. I use a variety of sources. None gives the full required info	Sep 16, 2009 7:58 AM
111	?	Sep 16, 2009 12:11 PM
112	www.nordgen.org/sesto	Sep 16, 2009 1:25 PM
113	ECPGR Central Crop Databases, EURISCO, FAO WIEWS, SINGER, Bioversity International links	Sep 16, 2009 1:28 PM
114	IPGRI site is useful,	Sep 16, 2009 2:05 PM
115	SOL genomics network (SGN) http://sgn.cornell.edu/	Sep 16, 2009 4:00 PM
116	Kew gives latest taxonomic information GRIN is also a exhaustive database and give good information	Sep 17, 2009 4:37 AM
117	No comment	Sep 17, 2009 7:29 AM
118	CGN - on line ordering GRIN - taxonomy (synonyms) CGN - core selector CGN - searches on traits	Sep 17, 2009 1:41 PM
119	ICIS, collates across genebanks	Sep 18, 2009 1:57 AM
120	No	Sep 18, 2009 9:36 AM
121	none used	Sep 18, 2009 10:39 PM
122	NBPGR	Sep 19, 2009 4:22 AM
123	No one particular I am aware of that I have used	Sep 19, 2009 4:57 AM
124	SINGER	Sep 19, 2009 8:58 AM
125	No, but note to following: 1. GRIN public interface is not user friendly (a comment made to me by many users). 2. There needs to be more flexibility in some areas of the display. Particularly, the Narrative needs to be expanded in size from the current 4000 char. Information can be put on other pages and linked to from Narrative, but the links themselves take up a lot of characters. 3. Will public display remain same in appearance for all crops? Can people go crazy w/it?	Sep 19, 2009 9:11 PM
126	With the new MGIS website using AJAX technology it is possible now to see photos linked to a series of descriptors, helping people to identify their material.	Sep 21, 2009 9:40 AM
127	bioversity international	Sep 21, 2009 6:26 PM
128	GRIN, Eurisco.	Sep 22, 2009 1:44 PM
129	Again - the arabidopsis stock centres are very easy to use - particularly arabidopsis.info Other sites that are very easy to use and richly featured are amazon.com and audible.co.uk .	Sep 23, 2009 1:22 AM
130	http://www.ecpgr.cgiar.org/	Sep 23, 2009 1:55 AM
131	BrasEDB	Sep 23, 2009 6:45 AM
132	GRIN is good! If you make it look more modern and implement download facilities for passport data it will be great. I like the search interface of EURISCO in which you can add the fields that you want to include in your search. You can make excel exports. From CGN's website you can download all passport information per crop SINGER is also very clear and good looking	Sep 23, 2009 10:06 AM
133	http://www.cenargen.embrapa.br/recgen/sibrargen/sibrargen.html	Sep 23, 2009 3:43 PM
134	CGN	Sep 23, 2009 4:15 PM

Response Text		
135	- SADC Plant Genetic Resources Centre (SPGRC) - Egnet - SOL (Solanaceous database)	Sep 24, 2009 11:36 AM
136	Singer and AusPGRIS provide a satisfactory function	Sep 25, 2009 6:25 AM
137	seed request	Sep 25, 2009 1:14 PM
138	Maize GDB	Sep 25, 2009 6:56 PM
139	Plant Breeding Aagnet	Sep 26, 2009 1:02 PM
140	http://hidras.cra.wallonie.be/ (users only but you can contact the curator) http://www.hidras.unimi.it/ (no germplasm info but very good info on molecular markers and maps that relate to the germplasm in the web above)	Sep 28, 2009 10:17 AM
141	EURISCO	Sep 28, 2009 10:26 AM
142	GRIN (not kidding), NCGR ISYS (http://www.ncgr.org/ourwork/) and NCGR applications, Google, GrainGenes	Sep 28, 2009 4:38 PM
143	MGIS is very useful in enabling partners to enter their data. Nevertheless a good quality checking (Crop registry) is needed to monitor the data entered.	Sep 29, 2009 8:15 AM
144	www.gbif.org	Sep 30, 2009 1:12 PM
145	http://www.nordgen.org , http://www.vir.nw.ru	Oct 1, 2009 8:52 AM
146	europotato.org	Oct 2, 2009 9:01 AM
147	no	Oct 8, 2009 11:35 AM
148	GBIF has a nice entry point where you can search by collection, geography, or by taxonomy. There is not much data held in the database, but it's intuitive to figure out what is in the database, which makes it fun to explore.	Oct 9, 2009 8:00 PM
149	ICIS has been really useful to me.	Oct 9, 2009 8:02 PM
150	To me, one of the problems is just finding the right site to look for. It seems to vary depending upon the crop, and where the germplasm bank is. Once you get to that site, you may have to look around to find the search engine from there. Maybe there is a central access point, but I don't know what it is, and then you USDA folks are all the time changing your names, its just a mess. If I google "pepper germplasm" or "Capsicum germplasm" you guys aren't up on the first or second page. Even if I find my way to the Griffin page, I don't see anything leading me to a search engine to see the collection. Once I find my way to the search engine, its not too bad. I would maybe like to have the option to check several cultivars and then get them printed out for comparison purposes the way some shopping sites like best buy do. I would also like to see the picture load with the description instead of having to click it separately.	Oct 9, 2009 9:35 PM
151	Image retrieval from germplasm websites is important for my teaching/lecture preparation. More information on disease and pest susceptibility of various accessions would be very useful in my research program.	Oct 9, 2009 11:38 PM
152	Tutorials for users and a searchable help area that displays appropriate results. A good, very thorough help guide saves a lot of work for users and the people who answer would otherwise be answering their emails and/or calls. A shopping cart is always good for requests (and perhaps should be the required method to avoid the ordering of unavailable material and the resulting labor of communicating something that could be determined automatically). Also, "**required fields" for certain information, like intended use of material, can be very helpful for curatorial staff.	Oct 12, 2009 7:24 PM
153	Occasionally I can find images on Singer	Oct 13, 2009 10:16 AM
154	Everything has to move in the direction Google.com has taken. We should be able to find information on the database as easy as when one searches for images and information on Google.	Oct 13, 2009 11:40 AM

Response Text		
155	GBIF: Map linked interface with capability to link directly to physical location maps for collection.	Oct 13, 2009 5:57 PM
156	none. I don't use them except for an example of germplasm resources for the class I teach.	Oct 15, 2009 9:54 PM
157	No	Oct 16, 2009 3:38 PM
158	Angiosperm Phylogeny Website http://www.mobot.org/MOBOT/research/APWeb/ Entrez cross-database search page http://www.ncbi.nlm.nih.gov/sites/gquery	Oct 17, 2009 10:21 PM
159	Click spots to do what you want.	Oct 19, 2009 8:35 PM
160	Dates germplasm has been submitted for storage. Ease of identifying material for ordering.	Oct 19, 2009 10:43 PM
161	TGRC	Oct 20, 2009 11:31 PM
162	I CAN'T SAY	Oct 21, 2009 7:57 AM
163	Just don't make it like the ARS web-site!	Oct 21, 2009 8:05 PM
164	KEW MILLINIUM SEED BANK	Nov 9, 2009 7:49 AM
165	Multilanguage.	Nov 10, 2009 6:54 PM

GRIN Global User Interface

Need or Concern (Highest Priority)		
		Response Count
		203
		203
		241
		<i>answered question</i>
		<i>skipped question</i>

Response Text		
1	Easy management Clear and updated information Multilingual Links to other databases	Sep 9, 2009 10:10 AM
2	Include an information "track" for the browsing public, as well as the "track" for research users. But-- try to avoid conveying the idea that this is "free seed" for home gardeners. Purchased seed is a bargain already!	Sep 9, 2009 11:13 AM
3	1. A comprehensive database of global germplasm repository. 2. Easy retrieval system for complete information about genetic materials available. 3. Simple query feeding in the web for identifying specific germplasm / sources for specific traits of interest in any crop.	Sep 9, 2009 12:56 PM
4	Follow the current GRIN system with only slight improvements to allow easier viewing and requesting for large collections.	Sep 9, 2009 1:43 PM
5	Model after CSEGRIN User friendly Easy to use and input Geographic information using a common system Ability to modify information (in your specific country and/or institution Training	Sep 9, 2009 1:51 PM
6	Meet the needs of scientific research Availability of real clear database the qualities of endurance events such as pressure vividness and vitality	Sep 9, 2009 2:08 PM
7	Need to fully characterize phenotypically and from the molecular point of view the collections, not only from the morphological and descriptors point of view, but hopefully on relevant agronomic characteristics as well.	Sep 9, 2009 2:12 PM
8	easily accessible information, easy to search, high quality images, make images downloadable, make information possible to download in pdf format	Sep 9, 2009 2:13 PM
9	Maintaining full access to all-but government should not be overly concerned about making informational understandable to lay people-and the highest standards for quality assurance and updating the website.	Sep 9, 2009 2:20 PM
10	easy and fast internet access clear taxonomy information (when available) passport data bibliography referent to that material (when available) molecular marker information	Sep 9, 2009 2:27 PM
11	Easy access Easy transferability to different software programmes	Sep 9, 2009 2:30 PM

Response Text		
12	Ready availability of information on genebanks of various crops. Current information on stakeholders of genebanks	Sep 9, 2009 2:37 PM
13	ease of use	Sep 9, 2009 2:42 PM
14	Ability to quickly and easily request germplasm of multiple accessions at once, to be able to judge how likely an accession is to be genetically distinct from other accessions, and to have viable seed	Sep 9, 2009 2:43 PM
15	That all countries list available germplasm and that restrictions on use be clearly stated for each accession.	Sep 9, 2009 2:56 PM
16	restrictions on availability of germplasm and quarantine	Sep 9, 2009 3:00 PM
17	should be user friendly and accurate	Sep 9, 2009 3:02 PM
18	Ease of use Ease of exporting tabular data for reuse Ease of integrating with other related databases from other communities specifically for genomic data Ease of integrating with independent statistical analysis and reporting tools	Sep 9, 2009 3:13 PM
19	Must be easy to find and request stocks of interest	Sep 9, 2009 3:30 PM
20	Accurate descriptors. Database won't be entirely consistent; have a search engine that can deal with that.	Sep 9, 2009 3:44 PM
21	The expiration of IPR for PVP is not always up to date. When a variety's IPR is not longer in force one should be able to obtain seed of that variety. Recently I found that GRIN did not indicate that seed was available for an expired certificate of a variety.	Sep 9, 2009 3:46 PM
22	I am much concerned about the new GRIN-Global germplasm information management system. It has inormous importance for the researchers, teachers, extension workers and farmers involved in the production system for sustainable agriculture	Sep 9, 2009 3:52 PM
23	To Communicate to world some genetic resources for medical uses	Sep 9, 2009 4:10 PM
24	Windows or Web interface	Sep 9, 2009 4:15 PM
25	good pedigree information geographical origin of the accession standardization of the phenotypic/molecular data	Sep 9, 2009 4:30 PM
26	More information about the data from gene banks.	Sep 9, 2009 4:48 PM
27	Visita demostrativa de los usos e intercambio de experiencia para la conservación de la información y su facilidad de intercambio. Capacitación de su uso a instituciones como la nuestra que a tenido poca posibilidad de obtenerla.	Sep 9, 2009 5:04 PM
28	That this system will turn into a Bible for governments to restrict germplasm exchange because of the Conservation on Biodiversity Treaty or the misguided FWS on behalf of the rest of the countries involved in these socialistic controlling views on germplasm exchange.	Sep 9, 2009 5:11 PM
29	The pest response information must be dramatically improved. I need to know if "yes" is susceptible or resistant. I need to have the citation(s) the data are linked to.	Sep 9, 2009 5:15 PM
30	Accurate and complete information about the accessions.	Sep 9, 2009 5:16 PM
31	The electronic formats must be made in the way that can be used for everybody The exchange of germplasm must be supported by international agreements It is very difficult now days to keep in a good shape collections, must be international support even for not so poor countries due the low underrstanding of authorities	Sep 9, 2009 5:19 PM
32	How to give information without jepardizing intellectual property.	Sep 9, 2009 5:33 PM
33	Ability to find and access germplasm.	Sep 9, 2009 5:50 PM

Response Text		
34	No comments	Sep 9, 2009 5:57 PM
35	Friendly interface Status of seed information available	Sep 9, 2009 6:15 PM
36	Ease of access to information that is in the database (this includes being able to clearly communicate to the user what is in that universe so they do not search for long periods for things that are not there).	Sep 9, 2009 7:19 PM
37	collection information including latitude and longitude so collection sites can be plotted on maps within the GRIN-Global	Sep 9, 2009 7:44 PM
38	The germplasm characterization is still the main need.	Sep 9, 2009 7:48 PM
39	Ability to cross-reference the same germ plasm line in all cooperating collections to assure nonduplicity when requesting lines.	Sep 9, 2009 9:04 PM
40	more robust Google type search feature in addition to the specific features currently available	Sep 9, 2009 9:05 PM
41	make public germplasm with resistance to different constraints. This can be through an easily accessed website.	Sep 9, 2009 9:56 PM
42	Seems you are on the right track	Sep 9, 2009 10:18 PM
43	ease of searching for germplasm to be able to search multiple national holdings in one query.ie a search for wild sorghum speacies might identify holdings in GRIN, AusPGRIS, ICRISAT etc and you could order from any of those sites from that one search.	Sep 9, 2009 10:45 PM
44	flexible to various search options not cluttered with various other links to unrelated information option to produce summary reports (e.g. like shopping trolley on commercial websites)	Sep 9, 2009 11:00 PM
45	The system must be: - Friendly, to facilitate access to information of the germplasm. - Can be searched by character or character combination of germplasm. - Easy administration and updating of information. - Storing large amounts of information on germplasm.	Sep 9, 2009 11:41 PM
46	It is important to have access to information regarding gene that allows us to broaden the genetic base of crops, eg rice	Sep 9, 2009 11:46 PM
47	To connect all the information systems of gene rich countries. What GRIN-Global can do is to help them interm of technical support, financial support and logistic support . To level all data sets and to have a workable system needs alot of support esp. within the poor gene rich countries. I am involved with MARDI Rice genebank management system for >10 years pooling all data sets and programming the system. Few years ago, myself and several scientist at IRR I esp. Dr. Hamilton and co-workers at IRR I try to merge MARDI with IRR I funded by CROP TRUST but now I am not sure about the status since I left MARDI (Curator for Rice genebank). I left MARDI and to be employed by University Malaysia Terengganu.	Sep 10, 2009 12:08 AM
48	DNA Sequencing	Sep 10, 2009 12:20 AM
49	User friendly	Sep 10, 2009 12:22 AM
50	information	Sep 10, 2009 12:30 AM
51	I wish to access GRIN Global for data on accessions and the ability to order accessions	Sep 10, 2009 12:36 AM
52	none	Sep 10, 2009 12:41 AM
53	system should be fast with quick search turnaround and image/photo display	Sep 10, 2009 12:53 AM
54	I consider is highest priority because is satisfactory for my investigation	Sep 10, 2009 2:07 AM
55	more data	Sep 10, 2009 4:08 AM
56	Accessibility should not be restricted; database should be open to anyone interested in obtaining the information.	Sep 10, 2009 4:19 AM

Response Text		
57	Information on availability of germplasm	Sep 10, 2009 4:45 AM
58	Access	Sep 10, 2009 5:03 AM
59	I need to know about GRIN and how to use it	Sep 10, 2009 5:04 AM
60	Availability of information Information to have an easy retrieval system, accessible, informative, clear and understandable. Easy for distributions and diverse in media combatibility	Sep 10, 2009 5:14 AM
61	information on the potential uses of underutilized food crops, especially those found in the tropics.	Sep 10, 2009 5:32 AM
62	more taxonomical information on scientific names because sometimes I dont fine some scientific names on your data base.	Sep 10, 2009 5:41 AM
63	As breeders and geneticists, we always look for genetic variability. GRIN has been a useful system for accessing germplasm.	Sep 10, 2009 5:42 AM
64	farmers in rainfed semi-arid tropics,	Sep 10, 2009 5:58 AM
65	germplasm information on tropical food crops, especially important staple crop such as breadfruit germplasm information on disease resistant traits, salinity tolerance, heat tolerance	Sep 10, 2009 6:26 AM
66	I am very concern by this innovations like germaplasm curator	Sep 10, 2009 6:38 AM
67	quick access to germplasm information and the information should contain all possible details of the agronomically important traits	Sep 10, 2009 6:50 AM
68	Simple and quick search Complex information on PGR (including related data, references and links) Prompt and reliable communication Simple and clear rules for access Providing comprehensive and clear information	Sep 10, 2009 7:02 AM
69	Accurate information, there have been exemples where gene banks carry on duplications and errors.	Sep 10, 2009 7:32 AM
70	easy to brows evaluation reports on major diseases and pests of the crop	Sep 10, 2009 7:38 AM
71	accessibility and user friendly	Sep 10, 2009 7:59 AM
72	The Taxonomic nomenclature would be more full, replenish with names of underutilized crops and epecially art hybrid species (x Sorbopyrus, x Pyronia etc.)	Sep 10, 2009 8:17 AM
73	Coconut palm need a palm by palm data management system, with the possibility of keeping monthly data such as number of bunches and number of fruits produced per palm per month, and keep it for at least 50 years. On experiment last about 15 years.	Sep 10, 2009 8:50 AM
74	Needs to be user-friendly and easy to apply for genebank management by genebank technician after short training; easy to access by NARS partners; multiple languages;	Sep 10, 2009 9:06 AM
75	Quick exchange of germplams information	Sep 10, 2009 9:26 AM
76	I will that information be more accessible.	Sep 10, 2009 9:37 AM
77	SIMPLE CODING SYSTEM	Sep 10, 2009 10:24 AM
78	development of a PGR unit for our institute	Sep 10, 2009 10:25 AM
79	Always or if possible use bilingual or multilingual documents.	Sep 10, 2009 10:28 AM

Response Text		
80	-responsive and flexible search/query function -flexible table formatting for data managers of each unique genebank -capability to handle increasing volume of data -respectable administrator and/or security control system -fast -exchangeability of information across platform and/or applications -ease of connecting database online -functional inventory system that can be linked through data loggers or scanners	Sep 10, 2009 12:38 PM
81	Allow access to worldwide genetic resource information just to know what has or has not been collected in my species of interest. Facilitate work to reduce duplications in collections and allow focus on quality maintenance of most useful accessions. Allow researchers to more easily obtain information on characteristics of accessions held in other gene banks.	Sep 10, 2009 12:50 PM
82	Use of the SMTA	Sep 10, 2009 1:04 PM
83	ex-situ and in -situ informations trough	Sep 10, 2009 1:41 PM
84	So far I cant tell since i did not use it	Sep 10, 2009 2:07 PM
85	My ability to easily enter data into the system via dBase or excel files with prep table type formats.	Sep 10, 2009 3:54 PM
86	Easy assecibility and manageability by the public is very important	Sep 10, 2009 4:59 PM
87	Accurate complete information on accessions. User friendliness. Usable by people with limited band width availability. Compatibility and commonality of approach.	Sep 10, 2009 5:16 PM
88	Unlikely to use in the future	Sep 10, 2009 5:46 PM
89	Needs to have a small learning curve for optimal use. Needs downloadable features to extract data for use in research Need more curators	Sep 10, 2009 8:50 PM
90	wheat and maize	Sep 10, 2009 9:22 PM
91	Easy to use and search with multiple criteria and boolean search. Easy to read - not too many abbreviations!	Sep 10, 2009 9:52 PM
92	Userfriendly	Sep 11, 2009 4:56 AM
93	full accession information (taxonomy, geography, characterisation and evaluation data, possibility for seed order)	Sep 11, 2009 6:15 AM
94	personal communication	Sep 11, 2009 9:38 AM
95	I work with many farmers who are interested in trying new material from genebanks, and while most have no trouble with the USDA, in other countries it can be quite difficult for individuals to get access to material without being part of a research project. Distributing accessions to individuals may not generate data for the germplasm information system, but it is a type of conservation that complements gene banks and increases the security of conservation efforts. On-farm conservation is very important for the maintenance of diversity and continued evolution of genetic resources, and it seems that it should be a high priority for gene bank curators to distribute material in the public domain to interested farmers and gardeners. As a global system develops, we have an excellent opportunity for the exchange of information and genetic resources beyond the research community.	Sep 11, 2009 10:52 AM
96	Make the information available for a great number of scientists.	Sep 11, 2009 11:51 AM
97	There is the need to make the search for information on particular traits in particular species easier. The system should be such that an individual could type the species, traits of interest and find out if it is available or not. If it is, he/she should get the values and so on.	Sep 11, 2009 2:45 PM
98	Access to germplasm	Sep 11, 2009 3:03 PM

Response Text		
99	My main concern is that GRIN-Global be able to handle genebank- or crop-specific information. For example, the current GRIN system does not make it easy to genetic data, such as descriptions of the genes and alleles present in each stock, their phenotypes, chromosomal locations, etc. This is the main reason we maintain our own database and website.	Sep 11, 2009 4:38 PM
100	How is the updating of data secured? How is the taxonomical compatibility of data from different sources achieved? Will infraspecific taxa be recorded or is this valuable information lost? Will the data handling distract resources from the germplasm handling? Information in the narrative part may be relevant. Is there room for this?	Sep 11, 2009 9:19 PM
101	I need to receive germplasm and the report in order to contribute our capacity in production improvement	Sep 12, 2009 6:28 AM
102	Ease of accessing information	Sep 12, 2009 8:59 AM
103	materials that can actively be used to the breeding work	Sep 12, 2009 9:59 AM
104	i need a resource centre for rose crop	Sep 12, 2009 11:37 AM
105	- more details for plant utilization /project results/ - information for accession availability for distribution (ordering details) - information for ordered accessions (deliverable/restricted for request) - improvement of taxa details : www.ipni.org	Sep 12, 2009 2:19 PM
106	Ability to upgrade our germplasm collections with adequate bioinformatics system . Proper identification and classification of our collections .	Sep 12, 2009 2:36 PM
107	Highly needed a database management system as we are in the early stage of management of PGR database.	Sep 13, 2009 6:54 AM
108	maximum global coverage geo-referencing data data on germplasm availability	Sep 13, 2009 7:53 AM
109	Free access to internet	Sep 13, 2009 12:54 PM
110	Interactiveness	Sep 13, 2009 1:47 PM
111	Creating Knowledge Base for the Genetic Diversity prevalent in Agricultural Crops of Tamil Nadu State	Sep 13, 2009 4:19 PM
112	easy log in	Sep 14, 2009 3:53 AM
113	Current status is ok.	Sep 14, 2009 7:24 AM
114	Informations about the provenance and sample size of each conserved populations. Literature used for adopt a sample method.	Sep 14, 2009 10:00 AM
115	INFORMACIÓN DE COLECCIONES EN OTROS BANCOS INTERCAMBIO DE INFORMACION SOFTWARE AMIGABLE CON OTROS QUE ESTEN DE ACUERDO A LAS NECESIDADES QUE TIENEN LOS BANCOS EN CUANTO A COLECTA, CARACTERIZACIÓN, EVALUACIÓN, MONITOREO, MULTIPLICACIÓN, REGENERACIÓN, ETC.	Sep 14, 2009 1:07 PM
116	articles related to recent genetical-genomic studies	Sep 14, 2009 1:51 PM
117	accessibility should be full	Sep 14, 2009 2:39 PM
118	reliability; flexibility; user friendly; intuitive	Sep 14, 2009 8:05 PM
119	reporting and exporting data	Sep 15, 2009 6:33 PM
120	Ability to quickly enter the information system and access information based on crop, characters of that crop/species, sometimes also specific accessions.	Sep 15, 2009 10:26 PM
121	Already covered by me	Sep 16, 2009 7:58 AM
122	?	Sep 16, 2009 12:12 PM
123	Easy global search into and between collections Precision information on disease resistance properties on accessions	Sep 16, 2009 1:25 PM

Response Text		
124	user-friendliness and intuitivity of application data quality and reliability complexity of information links to other information systems	Sep 16, 2009 1:29 PM
125	I am intersted in sharing information on tuber crops germplasm	Sep 16, 2009 2:06 PM
126	It should be user friendly and easy to access	Sep 17, 2009 4:39 AM
127	ACCESSION OR CROP INFORMATION, MOLECULAR/GENETIC INFORMATION	Sep 17, 2009 7:24 AM
128	Easy to use Easy to update information Compatibility to other computer softwares when reporting or exporting data Flexibility for other important information or details	Sep 17, 2009 7:31 AM
129	Priority,trait specific germplasm	Sep 17, 2009 9:02 AM
130	Accession information should be linked as much as possible to genetic and phenotypic information, including molecular data.	Sep 17, 2009 11:39 AM
131	flexibility - we need to be able to use it in our institute and further develop it for our purposes	Sep 17, 2009 1:42 PM
132	virtual world genebank across all collections, re inventory, evaluation data, molecular ID	Sep 18, 2009 1:59 AM
133	I would like from GRIN-Global to assist national organizations in the following aspects: Assist curators in managing their germplasms, in the respect of Exporting/Importing seeds, GIS of the conserved germplasm, assess the vulnerability of the accessions, and assess in managerial procedures such as when to rejuvenate the accessions.	Sep 18, 2009 9:48 AM
134	User friendliness; Ease of navigating around the various sites and links; Consolidation of ordering germplasm into one form that can be sent to multiple sites;	Sep 18, 2009 8:09 PM
135	Update of cotton descriptors and the need for an option to have "standard" check varieties with along with values and/or images of check varieties	Sep 18, 2009 10:41 PM
136	Passport data with trait specific collection	Sep 19, 2009 4:22 AM
137	More resources are needed within NPGS to effectively deal with information provision via GRIN.	Sep 19, 2009 9:12 PM
138	Simple to users	Sep 20, 2009 7:34 AM
139	for plant genetic base, search should be made possible from all taxonomic levels. all taxonomic levels should be interlinked in such a way that once a taxonomic level was chosen, then all all of its taxonomically above levels should be automatically selected.	Sep 20, 2009 12:43 PM
140	Possibility to present information in a synthetic way. I mean having a passport data information sheet with related information on characterisation, evaluation traits, as well as trial information.	Sep 21, 2009 10:17 AM
141	Need a major overhaul on the look and feel of GRIN. Current system is outdated, not user friendly, and not intuitive. It is difficult to navigate and retrieve the information of interest.	Sep 21, 2009 6:31 PM
142	How could we protect farmers' rights?	Sep 21, 2009 6:46 PM
143	Just keep it simple.	Sep 22, 2009 1:51 PM
144	Have a data base that Mexico can use in germoplasm banks	Sep 22, 2009 6:04 PM
145	Quick Access to Information Ability to export queries	Sep 22, 2009 8:18 PM
146	Meets requirements for ITPGRFA SMTA generation for annex 1 and non annex 1 crops.	Sep 22, 2009 8:49 PM

Response Text		
147	easy ordering (basket form)	Sep 23, 2009 1:29 AM
148	Options of "search" types . Simple to complex. Ability to search on multiple attributes . "shopping cart" approach to ordering seed Seed ordered directly from GRC which houses material.	Sep 23, 2009 2:06 AM
149	Must be of a relatively simple appearance, but be able to present the more complex data if required Must make clear what other data might be associated with accessions	Sep 23, 2009 6:53 AM
150	For GRIN-Global serving NPGS of US - no comment. For GRIN-Global as a tool facilitating handling of data in national/genebank collections, allow defining schema/tables best suited for the collection, work-flows, etc.	Sep 23, 2009 12:42 PM
151	We need some system to register and retrieve data of in vitro culture process for in-vitro germplasm conservation, such as culture medium used, number of subculture, date of in vitro culture initiation, date of last subculture, growing aspect, and so on.	Sep 23, 2009 4:08 PM
152	To help the public user find the information they are seeking. As a germplasm site we would also like to present that information in the most useful way possible. Enhancing order processing and informing the requestor of restrictions or time frames in which to expect shipment of material, especially with regard to clonal material.	Sep 23, 2009 9:19 PM
153	Legumes in general, grain legumes in particular. Neglected and underutilised crops Molecular markers, cytotaxonomy	Sep 24, 2009 2:10 PM
154	Existing structure is too complicated and user unfriendly. Not easy to navigate through the site. Structure must be simplified and made more clear.	Sep 25, 2009 6:28 AM
155	comprehensive data retrieval per accession, downloadable	Sep 25, 2009 1:54 PM
156	Speed of processing requests User-friendly interface Phytosanitary compliance	Sep 25, 2009 6:58 PM
157	Monitor the ongoing polemics between conventional and transgenic organisms on this planet.	Sep 26, 2009 1:05 PM
158	To classify information of entries and make browsing option easy to get it	Sep 27, 2009 6:05 PM
159	Good luck in your job!!!! I am sorry not to be very helpful in answering to this questions. Now I am not the target person to use this interface. I used to teach at the University. Now, I am not working with plant breeding any more. Any way, it is very greatful to know that such an important job is being made. Congratulations. Ana Claudia Badan	Sep 27, 2009 8:36 PM
160	Brief but accurate description of the accession in an easily searchable format allowing to search in reverse , being able to find accession that meet certain criteria(e.g. find scab resistant, early ripening, green apples)	Sep 28, 2009 10:22 AM
161	easy access, a lot of information, germplasm freely available	Sep 28, 2009 10:29 AM
162	It is very difficult to enter data into GRIN whenn germplasm accessions are recieved in our program.	Sep 28, 2009 1:39 PM
163	Characterization and evaluation data	Sep 29, 2009 8:17 AM
164	Existence of horticultural performance data that is of value to breeders and industry, and collected in a standardized manner (including across crops) for maximum validity to those other than the collectors. Lots of features to make the querying of this data as versatile as possible.	Sep 30, 2009 4:43 AM
165	Ease of search for material	Sep 30, 2009 9:03 AM
166	Curators have full control and ownership of their own data. This is also accountability.	Sep 30, 2009 1:21 PM

Response Text		
167	accession or crop collection information, taxonomy information, morphological, agronomic, pest, and/or horticultural trait information	Oct 1, 2009 8:52 AM
168	Secure mid to long term funds for germplasm management and studies	Oct 1, 2009 7:35 PM
169	no	Oct 2, 2009 9:02 AM
170	Manage, store and retrieve information Provide a useful tool for researchers, breeders, etc.	Oct 6, 2009 1:54 PM
171	Access to the germplasm Cultivar information, descriptions and attributes, including resistance genes	Oct 9, 2009 7:40 PM
172	TABULAR structure. Data standardization. Better georeferencing and sampling documentation. Easy to navigate. Much more documentation on what you are actually getting and the accuracy of that information (reliability of obs data), forms of plant material.	Oct 9, 2009 8:04 PM
173	That the information on the database is readily accessible to the general public but can not be changed or added except by the creator/owner of the information.	Oct 9, 2009 9:26 PM
174	Have it centralized and well indexed so it findable.	Oct 9, 2009 9:35 PM
175	to quickly obtain thorough systematic information on characteristics of accessions	Oct 10, 2009 12:14 AM
176	To be able to find accessions you know are in GRIn but cannot access using Pi number or key words. Not user friendly.	Oct 10, 2009 12:36 AM
177	disease resistances	Oct 12, 2009 6:31 AM
178	Meet the needs of a one's intended community with easily accessible information and an unambiguous ordering process, defining the intended community with precision and thereby promoting efficient operation of a genebank and quality service.	Oct 12, 2009 7:46 PM
179	Make it easier to enter information on the plant when it enters the country	Oct 13, 2009 10:18 AM
180	Ease of use of the public web interface. Improvement on the capabilities of the search engine. Make sure the data is indexed by current commercial search engines such as Google. Ability to create reports easily summarizing data on many accessions in table format.	Oct 13, 2009 11:42 AM
181	Completeness and quality of the information included.	Oct 13, 2009 5:59 PM
182	Genetic characteristics with reference to useful agronomic traits.	Oct 14, 2009 4:07 AM
183	connection to other databases	Oct 14, 2009 12:54 PM
184	More historical information on the crops would be helpful for research.	Oct 14, 2009 12:59 PM
185	Provide information critical on accessions for breeders and germplasm users to assess and access the collections while keeping a level of information for inhouse use.	Oct 14, 2009 3:13 PM
186	I agree it should be a high priority	Oct 14, 2009 3:47 PM
187	Maintaining high quality seed collections of diverse geno/phenotypes	Oct 14, 2009 3:47 PM
188	N/A. I don't use them	Oct 15, 2009 9:54 PM
189	The "PIs" -collected fromt the wild should have a different naming convention, it's often confused with USDA-public releases which get a PI number too.	Oct 16, 2009 3:42 PM
190	Germplasm records can be searched using multiple criteria	Oct 17, 2009 10:26 PM
191	Easy access to all the info on a certain accession Easy query to find all the accessions that meet (a) certain criterium(a)	Oct 19, 2009 9:14 AM
192	maintain the ability to search all germplasm and order materials of interest.	Oct 19, 2009 10:44 PM
193	PROPER COLLOBORATION WITH UNIVERSITIES AND RESEARCH INSTITUTES AND LIST OF BREEDERS ELSEWHERE IN WORLD TO BE MADE	Oct 21, 2009 7:59 AM

Response Text		
194	clear navigation directions need more menu bars, no way to get to other areas without using back button Plant Variety Protection link should include crops with patents Export data to excel spreadsheet in all obs area (currently only see it in long and short form)	Oct 21, 2009 2:36 PM
195	I would really like to see a GIS system interface that works well!	Oct 21, 2009 8:06 PM
196	Need easier way to acquire all data for a single field for a taxon or set of taxa. For example, retrieving all lat/long information for all wild accessions of a species is cumbersome at the moment.	Oct 23, 2009 3:57 PM
197	I would like to see the ability to make comparisons side by side for multiple materials and traits and downloadable to a spreadsheet for futhur analysis. Have thumbnail photo's pop up next to traits when available, and clickable for a full sized image.	Oct 25, 2009 7:35 PM
198	The ability to reconcile local databases with GRIN is important because users like the curator to prepare custom spreadsheets for them to sort through. Often there is information from both sources that needs to be put together for better use of the germplasm but is difficult to hand enter line by line. My tech has much more experience with this but it is problematic to edit data quickly and any way to avoid line by line changes and doublechecking with other layers of GRIN is time consuming. Duplicates must be identified, spelling errors corrected, cooperators updated, etc. but are easier to find and correct on local databases that are formatable, sortable spreadsheets rather than the current GRIN. I am hoping GRINglobal will change that.	Oct 26, 2009 2:20 PM
199	Making it more tab based, easier to download information and access molecular genotypes.	Oct 26, 2009 9:05 PM
200	make it very user friendly and be able to search with several key words	Oct 28, 2009 12:46 AM
201	Information of germplasm evaluation	Nov 9, 2009 7:54 AM
202	Easy, and powerful, query option for the user.	Nov 10, 2009 6:57 PM
203	Access to global collections	Nov 24, 2009 2:39 PM

GRIN Global User Interface

Additional Needs or Concerns		
		Response Count
		80
	<i>answered question</i>	80
	<i>skipped question</i>	364

Response Text		
1	The complete address of the curator of genetic resources or address of genebank for making request for seed. Provision for making online request for seeds of specific germplasm in the GRIN website.	Sep 9, 2009 12:56 PM
2	Perhaps a better way for users to identify the germplasm they look for.	Sep 9, 2009 2:12 PM
3	Help other countries implement this effective information technology.	Sep 9, 2009 2:20 PM
4	The entire query system needs to be re-worked to be more user-friendly. At a minimum, there need to be help screens that explain what each of the queries does in plain language!	Sep 9, 2009 2:43 PM
5	That germplasm will actually be deposited from distribution, that is, I have the concern that germplasm will actually be available.	Sep 9, 2009 2:56 PM
6	Attribution of datasources	Sep 9, 2009 3:13 PM
7	Formas de adquisición de software e información actualizada, apoyo en su mantenimiento.	Sep 9, 2009 5:04 PM
8	Once we go down the road outlined above the US seems to be the one of the few countries that pays any attention to these rules. Other governments only seem to get involved when the US puts pressure on them to do so.	Sep 9, 2009 5:11 PM
9	I'm just really proud that we have GRIN and the NPGS. My comments are all meant to make it so strong that it's indispensable.	Sep 9, 2009 5:15 PM
10	Comparative reports of accesions	Sep 9, 2009 6:15 PM
11	System design should allow in-depth data to be added to each component as the information becomes available. Genetic data in particular will continue to expand. Geographic data will continue to expand. Information technology tools will continue to expand (soil maps, weather maps, and other GIS-type layered displays). Given the GRIN database has information that can be greatly value-added by seamlessly interfacing GRIN with new technologies, will this be anticipated in the design (a minimum accommodation would be to have mechanisms for easy data construction from the GRIN files that the user would then interface themselves).	Sep 9, 2009 7:19 PM
12	Through characterization of germplasm which comes through the genebank.	Sep 9, 2009 9:56 PM
13	information exchange	Sep 9, 2009 11:46 PM
14	Bioinformatics tool in detecting genome	Sep 10, 2009 12:20 AM
15	Accurate	Sep 10, 2009 12:22 AM
16	None	Sep 10, 2009 12:36 AM
17	none	Sep 10, 2009 12:41 AM
18	Implementation of gen bank	Sep 10, 2009 2:07 AM

Response Text		
19	legal status	Sep 10, 2009 4:08 AM
20	How to develop a germplasm database system for my genebank	Sep 10, 2009 5:04 AM
21	Images for all the species existed on the website will be good	Sep 10, 2009 5:41 AM
22	none	Sep 10, 2009 6:26 AM
23	Possibility of "on line" enquiry services	Sep 10, 2009 7:02 AM
24	High attention to be paid to translation into other languages of technical words.	Sep 10, 2009 7:32 AM
25	PROVIDE IDENTIFICATION SYSTEMS FOR ACCESSIONS	Sep 10, 2009 7:59 AM
26	In Côte d'Ivoire, we have approximatively 50 years of monthly data, on about 150 000 palms ; no more that 30 % of the data was analysed. These data should be kept in the new management system.	Sep 10, 2009 8:50 AM
27	Increasingly integrate available agro-morphological and molecular characterization data on germplasm collections;	Sep 10, 2009 9:06 AM
28	setting up of a gene bank	Sep 10, 2009 10:25 AM
29	The USA is mainly interested for English speaking countries, namely in eastern and southern Africa.	Sep 10, 2009 10:28 AM
30	- ability to handle significant volume of images - quick back-up creation function -alarms/reminder for administrative maintenance and or conservation operations	Sep 10, 2009 12:38 PM
31	Public users ability to easily access and export data from our system.	Sep 10, 2009 3:54 PM
32	Understanding the interphase by the general user is paramount	Sep 10, 2009 4:59 PM
33	sunflower	Sep 10, 2009 9:22 PM
34	-	Sep 11, 2009 9:38 AM
35	Project proposals on germplasm conservation with funding.	Sep 11, 2009 3:03 PM
36	Uploading information to the current GRIN system has proven very onerous, and requires intervention of the GRIN database staff. As a result, records in GRIN are not updated regularly with infor. from external databases such as ours.	Sep 11, 2009 4:38 PM
37	none	Sep 12, 2009 9:59 AM
38	all information seem to be with private and i find no access to the same.	Sep 12, 2009 11:37 AM
39	Put in place global database / repository for our centre ,the national focal point of nigeria .	Sep 12, 2009 2:36 PM
40	Training for the upliftment of technical manpower suitable program for database management of PGR Financial support for database management	Sep 13, 2009 6:54 AM
41	uniform taxonomical nomenclature links to original genebank accession numbers links to collecting information/breeding history	Sep 13, 2009 7:53 AM
42	Regular supply of electricity	Sep 13, 2009 12:54 PM
43	none	Sep 13, 2009 1:47 PM
44	Collaboration and technical Guidance	Sep 13, 2009 4:19 PM
45	N/A	Sep 14, 2009 1:51 PM
46	More use of models	Sep 14, 2009 4:19 PM
47	Each accession should have complete information so that database and genebank information can be used effectively by larger section of society.	Sep 17, 2009 4:39 AM
48	PLANT VARIETY PROTECTION AND IPR	Sep 17, 2009 7:24 AM
49	rare,endangered,wild relatives,underutilised,	Sep 17, 2009 9:02 AM
50	International acceptance, capacity to 'talk' with other systems - compatibility and complementarity, comprehensive pooling of data	Sep 18, 2009 1:59 AM

Response Text		
51	I would like form GRIN-GLOBAL to assist in providing tools and ways for connecting national genebanks (either ex situ or in situ) of different stakeholders in one global system.	Sep 18, 2009 9:48 AM
52	More flexibility is needed in the public interface to accommodate the increased information that is potentially generable as above.	Sep 19, 2009 9:12 PM
53	Interface needs to be compatible with other GRIN systems outside the US.	Sep 21, 2009 6:31 PM
54	Ease of actual (practical) access to germplasm (even) for experiments. This is the most difficult since most countries are protective of their germplasm. The evolution of new pests as they react to the effects of global warming and spread of pests brought about by ease of international public transport would probably make practical access to germplasm for use in underdeveloped countries more difficult.	Sep 21, 2009 6:46 PM
55	Flexibility in producing reports. Ability to generate summary staistics with out having to download the data and doing it locally. e.g. How many Lolium from France.	Sep 22, 2009 1:51 PM
56	flexibility to meet potential requirements of ABS regime under the CBD and work of the FAO's CGRFA.	Sep 22, 2009 8:49 PM
57	richly connected data and summary data.	Sep 23, 2009 1:29 AM
58	An ability to search on accessions with images and/or other data	Sep 23, 2009 6:53 AM
59	simultaneous data retrieval for several accessions at a time; online ordering option	Sep 25, 2009 1:54 PM
60	Phytosanitary and germplasm exchange poolicies that apply for the country where the germplasm is requested	Sep 27, 2009 6:05 PM
61	If available 'genetic fingerprinting' of accessions should be make available (as well as scores for some controls genotypes)	Sep 28, 2009 10:22 AM
62	Other data bases don't comunicate with GRIN consequently we have to enter the same data two or three times.	Sep 28, 2009 1:39 PM
63	Ordering with online SMTA	Sep 29, 2009 8:17 AM
64	* Database format interoperable with others (or at least versatile enough for downloaded data to be readily arranged into other formats). * Ability to simultaneously query trait and molecular data. * Genetic relatedness information (from taxonomy, diversity studies, and/or pedigrees) readily available and graphically viewable. * As much graphical interfacing and background images as possible, to make the database visually exciting and modern.	Sep 30, 2009 4:43 AM
65	We need only one good package and not more. WHY SINGER AND GLOBAL PORTAL IF BOTH DOING THE SAME THING????????????? WE SHOULD BITE THE BULLET AND GET RID OF ONE.	Sep 30, 2009 1:21 PM
66	no	Oct 2, 2009 9:02 AM
67	I'll send more info directly to you later.	Oct 9, 2009 8:04 PM
68	Need more information in Grin other than morphological traits. Need breeder priority traits.	Oct 10, 2009 12:36 AM
69	Suggestions like "did you mean..." for misspellings can be useful - especially for binomial nomenclature. In other words, make it as much like Google as possible, and people will like it.	Oct 12, 2009 7:46 PM
70	make it possible to upload from GRIN to other databases	Oct 13, 2009 10:18 AM
71	Should have an easy to use interface with good links to all pages.	Oct 13, 2009 5:59 PM
72	Images to be included with high resolution and include all important unique morphological features.	Oct 16, 2009 3:42 PM

Response Text		
73	Germplasm can be requested (if available) Each germplasm has a complete record Germplasm records can be downloaded	Oct 17, 2009 10:26 PM
74	Nice pictures of as much accessions as possible (to have -beforehand- an idea how they look like and to use in presentations)	Oct 19, 2009 9:14 AM
75	I like it.	Oct 19, 2009 8:36 PM
76	INTER-GOVERNMENTAL COOPERATION	Oct 21, 2009 7:59 AM
77	limits on number of accessions that can be ordered contact information updated on regular basis	Oct 21, 2009 2:36 PM
78	The ability to summarize data for accessions and then format and sort the information is important to curators. Visualizing this is important and maybe be presented online and perhaps accessible to users as a 'blog' so active updates to an accession and rapid information exchange is possible even when away from the office computer. Greater ability to cross check accessions for information in other sources like publications, documentations (patenting, etc.) would help to get useful data for curators and users.	Oct 26, 2009 2:20 PM
79	conservation method for each kind of seed	Nov 9, 2009 7:54 AM
80	Image storage	Nov 10, 2009 6:57 PM

GRIN Global User Interface

Additional comments / suggestions to communicate to the GRIN-Global developers. Please provide as much specific information as possible.		
		Response Count
		61
<i>answered question</i>		61
<i>skipped question</i>		383

Response Text		
1	It is essential to be able to view a specific collection by country. For example, GRIN allows me to view the list of countries where the alfalfa collection originated from, and click on a specific country to see the list of accessions from that country. Very useful.	Sep 9, 2009 1:43 PM
2	A matter of concern (perhaps outside the issues of this survey) is the many cases of crops whose genetic variability is rapidly eroding and is not properly represented in germplasm collections.	Sep 9, 2009 2:12 PM
3	glad you are doing this.... good luck	Sep 9, 2009 2:13 PM
4	Please be dedicated to this extremely important project. Habitat destruction will not stop so your efforts will certainly benefit mankind.	Sep 9, 2009 2:20 PM
5	Others may be better qualified to respond to this survey.	Sep 9, 2009 3:09 PM
6	Gracias por tomarnos en cuenta y estar dentro de la información de los que luchamos por la conservación y documentación de la riqueza de los recursos fitogenéticos de Guatemala. Nos hemos propuesto generar conocimiento nuevos de los recursos fitogenéticos subutilizados, para su mejor conservación. Sin el apoyo de instituciones como ustedes, no podemos darnos abasto en mejorar la calidad de nuestro patrimonio.	Sep 9, 2009 5:04 PM
7	We as a nation must take total responsibility for the maintenance of this Global system and strive to limit the amount of restriction governments place on all germplasm. Any restrictions must be based on sound science, not on some political agenda that promotes white lists to the point of needing more permits, fees, inspections, inspectors, investigators, or anything else that can be useful in increasing the amount of government jobs.	Sep 9, 2009 5:11 PM
8	It needs to be easier to let someone know when there is a mistake on the site so it can be corrected. Why isn't Chinese listed as a language for GRIN? A lot of people use Mandarin Chinese.	Sep 9, 2009 5:15 PM

Response Text		
9	Ability of users to download useful "chunks" of information in various forms (tabular, maps, etc. as well as lists) relevant to their information needs would require a design/development to accommodate that process. If comprehensivity of information is the goal for provisioning the database, then comprehensivity of access must also be considered in the design. This is a massive database. Issues range from data (what is collected, entered, stored) provisioning, how the data are labeled/managed in the server (this will have a major impact on how data can be retrieved) and how data can be identified for retrieval and how the retrieved data can be displayed as outputs. All too often, excellent databases are constructed and stored, but are difficult to access and/or update and use because insufficient attention (and perhaps resources) could be applied to the initial development and delivery of a very user friendly system; initial design must also anticipate a multiplicity of diverse users that will grow as the database continues to expand and new information technologies became available to seamlessly incorporate into the system. The bottom line suggestion is to design the system to provide a cradle to grave resource for a clearly defined database that will meet the needs of clearly defined stakeholders and communicate clearly what it will and won't do to everyone else.	Sep 9, 2009 7:19 PM
10	Alert members on email on new developments	Sep 9, 2009 9:56 PM
11	I would love to get GRIN-Global when it is available to manage my germplasm collection!	Sep 9, 2009 10:45 PM
12	- Compatible with various computer applications	Sep 9, 2009 11:41 PM
13	It is very important access to existing information in crop genebanks	Sep 9, 2009 11:46 PM
14	Essential to list physical locations of germplasm sought	Sep 10, 2009 12:22 AM
15	None	Sep 10, 2009 12:36 AM
16	Congratulations for important program and your action for world development	Sep 10, 2009 2:07 AM
17	use the real data	Sep 10, 2009 4:08 AM
18	I would like to learn basics and applied aspects of germplasm databases as done by GRIN for management of national genebank	Sep 10, 2009 5:04 AM
19	Take clients contact points for communication purposes Accept and welcome criticizing comments of clients	Sep 10, 2009 5:14 AM
20	in many cases the GRIN website server was broken and I got message asking me to try later	Sep 10, 2009 5:41 AM
21	THERE SHOULD BE A PROVISION FOR ACCESSING GERMPLOSM FROM OTHER COUNTRIES AS WELL. FOR EG: I WORK WITH pc-grin FOR SUNFLOWER AND I have access to the germplasm available at Ames-USDA, USA. However, trait specific germplasm is available in several other countries which also has to be augmented and spared to researchers under appropriate MTAs applicable to the donor country.	Sep 10, 2009 5:42 AM
22	more training to national staff or focal person can prove useful in conservation of germplasm both in-situ and onfarm where it is relatively cheaper in African context. but incentives also need to be given to people undertaking conservation	Sep 10, 2009 5:54 AM
23	to provide information on germplasm that suit the different climatic and type of island formation, such as volcanic/ big island and also information for small coral atoll countries	Sep 10, 2009 6:26 AM
24	The same system should be used for managing palm by palm data for the genebank and for the genetic experiments.	Sep 10, 2009 8:50 AM
25	Simplify the SMTA, it is too long and complicated to use; automatize follow-up on germplasm use (automatic sending of feed-back questionnaires to germplasm users); search function for specific traits (based on data availability)	Sep 10, 2009 9:06 AM
26	MAKE YOUR METHODOLOGY SIMPLE FOR THE THIRD WORLD SCIENTIST TO UNDERSTAND	Sep 10, 2009 10:24 AM
27	training of staff on gene bank management and information systems	Sep 10, 2009 10:25 AM

Response Text		
28	Standarization of descriptors (as much a possible) will be critical for efficient use of the system across gene banks.	Sep 10, 2009 12:50 PM
29	The prep tables (or bulk loaders) work well and have resulted in much of the data now in GRIN. Copy-paste in GRIN Global may also work well. However, the loading procedure should also help to proof-read data and reject loads with garbled fields. The error message should guide the data loader to fixing the problem with the data. So keeping something like the existing prep tables may be useful.	Sep 10, 2009 1:50 PM
30	I think, if we can have a good database like for NCBI on germplasm, that will be very great	Sep 10, 2009 2:07 PM
31	Good luck this is a much needed endeavor.	Sep 10, 2009 5:16 PM
32	Good on you for taking this on!	Sep 10, 2009 9:52 PM
33	-	Sep 11, 2009 9:38 AM
34	For historical collection records, the Plant Inventory books are still the most complete source of information on a particular PI. The conversion of these records to electronic format should be a high priority.	Sep 11, 2009 4:38 PM
35	I need a regular communication to orient our approach and you give me some advices	Sep 12, 2009 6:28 AM
36	Good work, keep me informed	Sep 12, 2009 9:59 AM
37	i wish you can include rose, a flower crop and include me in the mailing list	Sep 12, 2009 11:37 AM
38	none	Sep 12, 2009 2:36 PM
39	The database management programme should be very simple and easy to handle even in a country like Nepal where the electricity is uncertain.	Sep 13, 2009 6:54 AM
40	Provide CD-ROMs as a back-up	Sep 13, 2009 12:54 PM
41	none as ofnow	Sep 13, 2009 1:47 PM
42	N/A	Sep 14, 2009 1:51 PM
43	nil	Sep 16, 2009 7:58 AM
44	crop diversity	Sep 17, 2009 9:02 AM
45	I think CGIAR center could good connection centers between national organizations and GRIN-GLOBAL developers.	Sep 18, 2009 9:48 AM
46	We would like to see how to manage characterization, evaluation traits data.	Sep 21, 2009 10:17 AM
47	There are many crop specific databases already present that contain very useful agronomic and molecular data on crop germplasm. The global-GRIN needs some mechanism to link to these databases. In the future, I believe these types of databases will continue to increase in frequency as many grants are now requiring some sort of web-based data interface. Suggest that significant discussion approach this issue to avoid duplication of work and best utilize existing databases.	Sep 21, 2009 6:31 PM
48	The interface developers should include updates on germplasm movement; (emerging) pests; practical information on use of GMOs. In most rural farming communities, the introduction of GMO crops, i.e., Round-up Resistant corn, there is very little information provided by the seed suppliers on the safety of the produce to its end-users. Hence, when the produce is sold to millers, some confusion arise on the palatability/ or safety of GMO corn to livestock.	Sep 21, 2009 6:46 PM
49	Please don't cover everything with copyright statements - that just looks unfriendly and isolationist. Concentrate on the materials rather than overcomplicated layout. If this is to be taken up by others then don't use expensive software such as Oracle or make it overcomplicated (xslt, corba). Don't make the schema overcomplicated so that new queries are hard to make (joining multiple tables just to get simple information). Make user tracking (and user charging options) part of the system or at least easy to integrate.	Sep 23, 2009 1:29 AM

Response Text		
50	Next generation sequencing technology will mean that resequencing whole genomes will be commonplace. GRIN-Global should either have the capacity to handle this kind of data or be developed later on to handle it, or link to it elsewhere.	Sep 23, 2009 6:53 AM
51	I will follow the GRIN-Global wiki so that I can learn more about the process and if I find that I can offer constructive suggestions I'll do so.	Sep 24, 2009 10:02 PM
52	User friendly system that can be adopted by any curators/ researchers/policy maker...etc.	Sep 29, 2009 8:17 AM
53	I hope there is an ongoing forum for user feedback through the months and years, not just a one-off.	Sep 30, 2009 4:43 AM
54	Everything is OK	Oct 2, 2009 9:02 AM
55	It is very useful for groups to actually see prototypes, or at least screen shots of demos when there is still time to provide feedback. I've now seen the canned Grin-global presentation 2 or 3 times and was disappointed that the outreach opportunity at the apple/prunus CGC meeting was not fully embraced. CGC members want to see something they can discuss -- even if it's still in the works-- rather than a general ppt about GRIN-global. INCLUSIVENESS rather than EXCLUSION of genebank information system users.	Oct 9, 2009 8:04 PM
56	Need user input as to important traits for characterization/prioritization. Curators have too much control in deciding priorities and traits suggested by CGCs are often ignored (at least in my area).	Oct 10, 2009 12:36 AM
57	make it possible to upload images	Oct 13, 2009 10:18 AM
58	The NCBI Entrez site (http://www.ncbi.nlm.nih.gov/sites/gquery) and the whole website is a great model for what I see GRIN-Global being. This would make it a real go-to site with broad impact.	Oct 17, 2009 10:26 PM
59	Don't make it worse by introducing needless government requirements into the ordering process.	Oct 19, 2009 10:44 PM
60	As a GRIN site user, I would request that the order pick list be made available in an editable format, perhaps CSV, so that I could modify the font size. I have found it difficult to read the accession number (and pull the correct inventory suffix) while in the storage room.	Oct 21, 2009 7:31 PM
61	This may be a 'way out there' idea, but I am hoping for a way to further the utility of barcode (or other system) labeling of samples and being able to input the scanned information for searching for the inventory ID, seed batch, user that requested it, observations, reason for planting, etc. to enable faster lookup. Perhaps it could be a loose sample in my storage area that needs explaining or a user forgets why they ordered a particular accession and this can pull up the history of it. This is sort of what happens at a return/exchange desk of a store with merchandise or when you just want a price check on an item. Does this make sense?	Oct 26, 2009 2:20 PM