



Remaining milestones and objectives for the GRIN-Global Project and potential future efforts



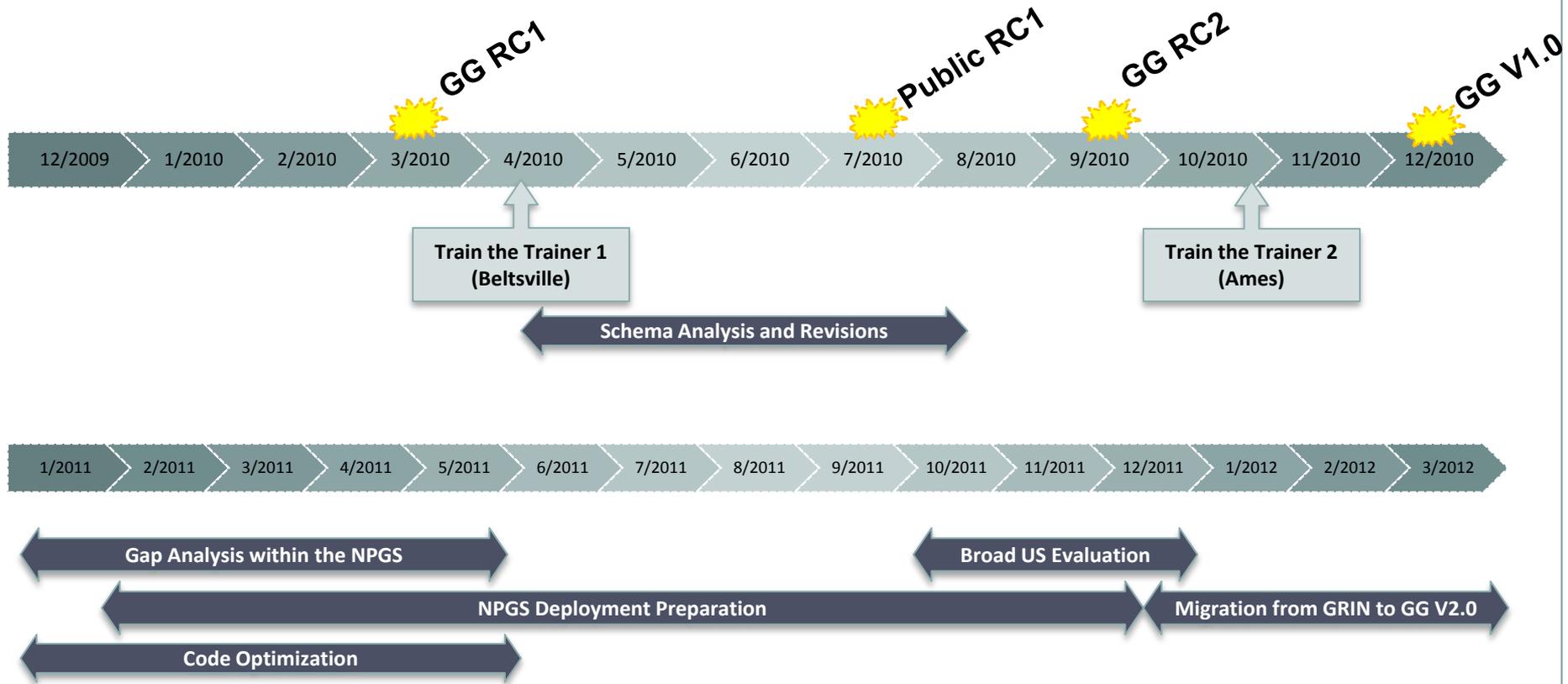
GRIN-GLOBAL AND GENESYS TEAMS

Plant Genetic Resource Management in Genebanks



- Acquisition
- Maintenance
- Regeneration
- Documentation and Information Management
- Distribution
- Characterization
- Evaluation
- Enhancement
- Research to increase curatorial efficiency and effectiveness
- Meet clientele needs

GRIN-Global Timeline



Remaining milestones and objectives for current project



- **Completion of 3 year project cycle**
 - Final reports and administrative tasks
 - Publicity, announcements, demonstrations
- **Re-factoring code**
 - Ensure that the code is non-redundant, optimally designed, and easy to read and maintain
- **Testing by trained software testers**
- **Technical support for deployment**
 - Collaborative support agreement(s) between ARS and other parties
- **Staff training and deployment of GRIN-Global in Anglophone genebank(s)**

Remaining milestones and objectives for current project

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- **Translate GRIN-Global interface and documentation to Spanish, French, Russian, Arabic**
 - **Staff training and deployment of GRIN-Global in non-Anglophone genebank(s)**
 - **Evaluation of GRIN-Global's impact on genebank operations internationally**
 - Evaluation methods
 - Metrics
 - Logistics

Remaining Milestones and Objectives



Objective/Product	Projected End Date
Final reports and administrative tasks	31 January 2011
Publicity, announcements, demonstrations	1st /2nd quarters 2011?
Refactoring code	3rd quarter 2011?
Technical support for deployment; collaborative support agreements	1st quarter 2011, and forward?

Remaining Objectives and Milestones



Objective/Product	Projected End Date
Training and deployment in Anglophone genebank(s)	1st/2nd quarters 2011
Translation of interface and documentation to Spanish, French, Russian, and Arabic	Oct. 2010 and continuing?
Training and deployment in non-Anglophone genebank(s)	2nd quarter 2011
Evaluation of impact on international genebank operations	4th quarter of 2011?

Potential new objectives, post-current project



- **Develop capacities to manage and link crop pedigrees and breeding information**
- **Develop capacities to handle voluminous genetic-genomic marker data and interface with genome databases**
- **Develop software tools for assessing collection quality and determining curatorial priorities**

Potential collaborations, post-current Project



- **Global Crop Diversity Trust**
- **USDA/ARS**
- **Bioversity**
- **IRRI**
- **CIMMYT**
- **Scottish Crop Research Institute**
- **Agriculture and Agri-Food Canada**
- **EMBRAPA (Brazil)**

USDA/ARS NPGS Commitments and Goals



- **2006 – 2011: NP301 National Program Action Plan**
 - **“GRIN...will be linked more effectively to other GR databases worldwide, and will be transformed so that it more efficiently and effectively delivers the wide variety of information required for successful germplasm curation and use.”**
- **2008: NGRL and NCRPIS (Ames) new Project Plans include objectives for developing and enhancing GRIN.**

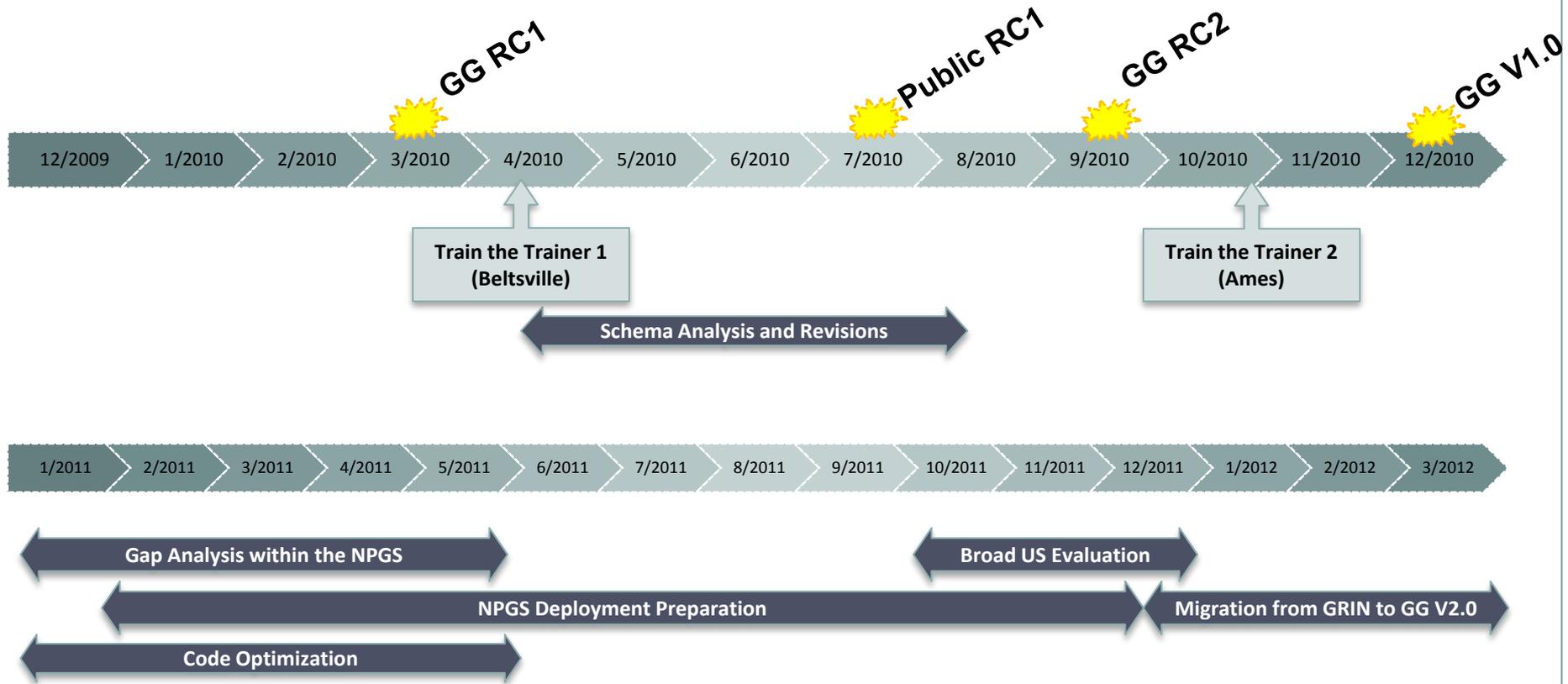
NPGS objectives and goals, post-current Project



- **Deploying GRIN-Global at the 20+ genebanks in the U. S. National Plant Germplasm System**
 - Training
 - Tailoring GRIN-Global to meet specific US government and NPGS requirements



GRIN-Global Timeline





Thanks!

TSG members
and observers

Biodiversity
partners

Global Crop
Diversity Trust
partners

GRIN-Global
Team

