



GRIN-GLOBAL WORKSHOP



the challenge:
understand what GG currently does

martin reisinger,
instructor

“What is GRIN-Global?”

- a genebank information management tool

enables genebanks to manage their plant genetic resources (PGR) information

GRIN

(Germplasm Resources Information Network)

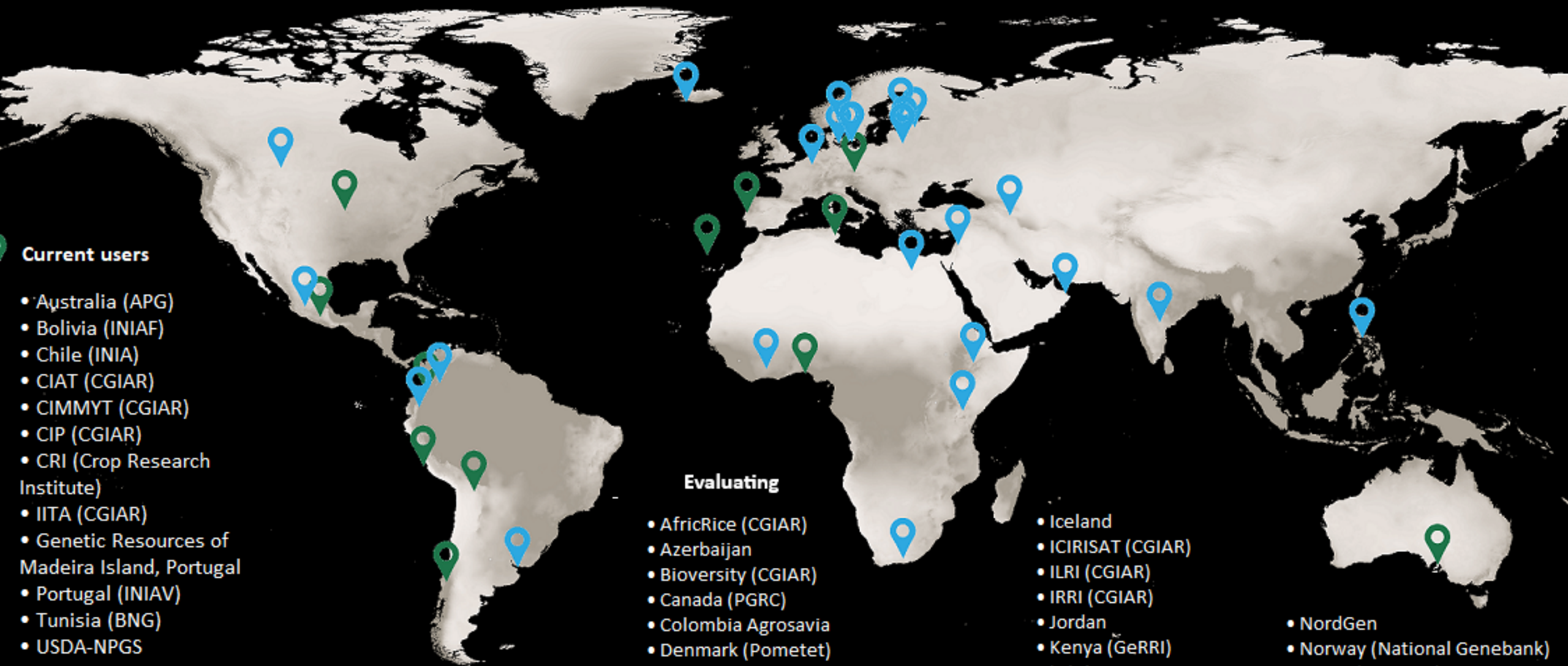


GRIN: 1986 - 2015

GG: Nov. 30, 2015



GRIN-Global Around the World



Current users

- Australia (APG)
- Bolivia (INIAF)
- Chile (INIA)
- CIAT (CGIAR)
- CIMMYT (CGIAR)
- CIP (CGIAR)
- CRI (Crop Research Institute)
- IITA (CGIAR)
- Genetic Resources of Madeira Island, Portugal
- Portugal (INIAV)
- Tunisia (BNG)
- USDA-NPGS

Evaluating

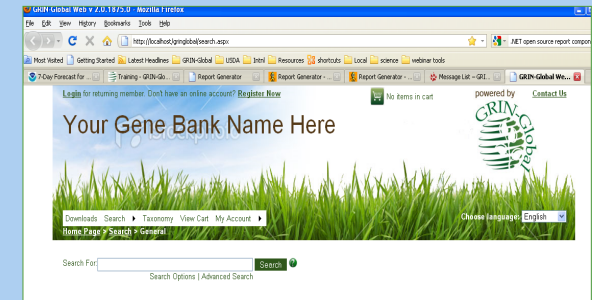
- AfricRice (CGIAR)
- Azerbaijan
- Bioversity (CGIAR)
- Canada (PGRC)
- Colombia Agrosavia
- Denmark (Pometet)
- Denmark (Vegetable collection)
- Ecuador-Denaref
- Iceland
- ICIRISAT (CGIAR)
- ILRI (CGIAR)
- IRRI (CGIAR)
- Jordan
- Kenya (GeRRI)
- Latvia
- Lebanon
- Lithuania
- NordGen
- Norway (National Genebank)
- Oman (OAPGRC)
- South Africa (ARC)

GG

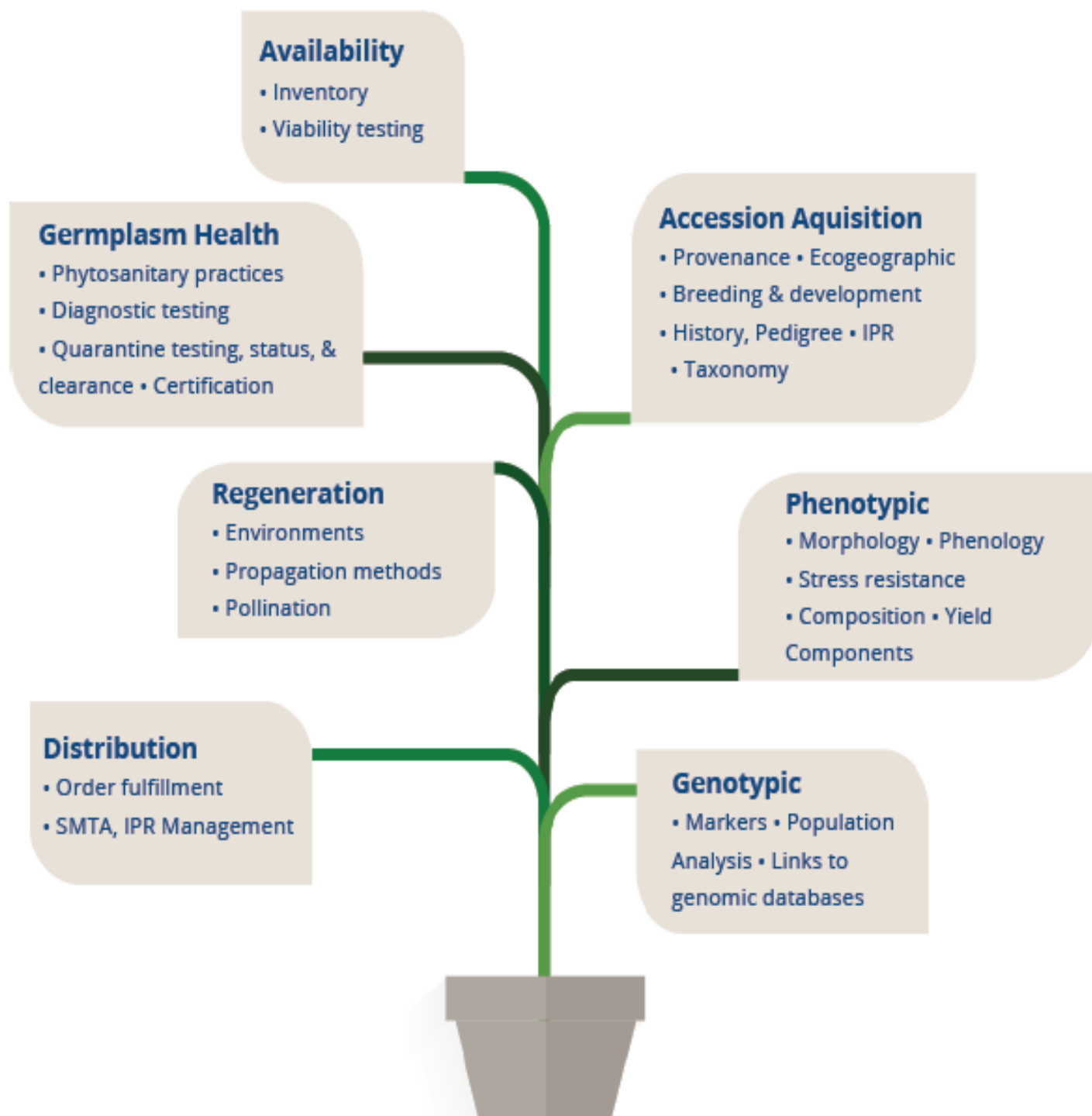
is comprised of a suite of programs



users



administrator



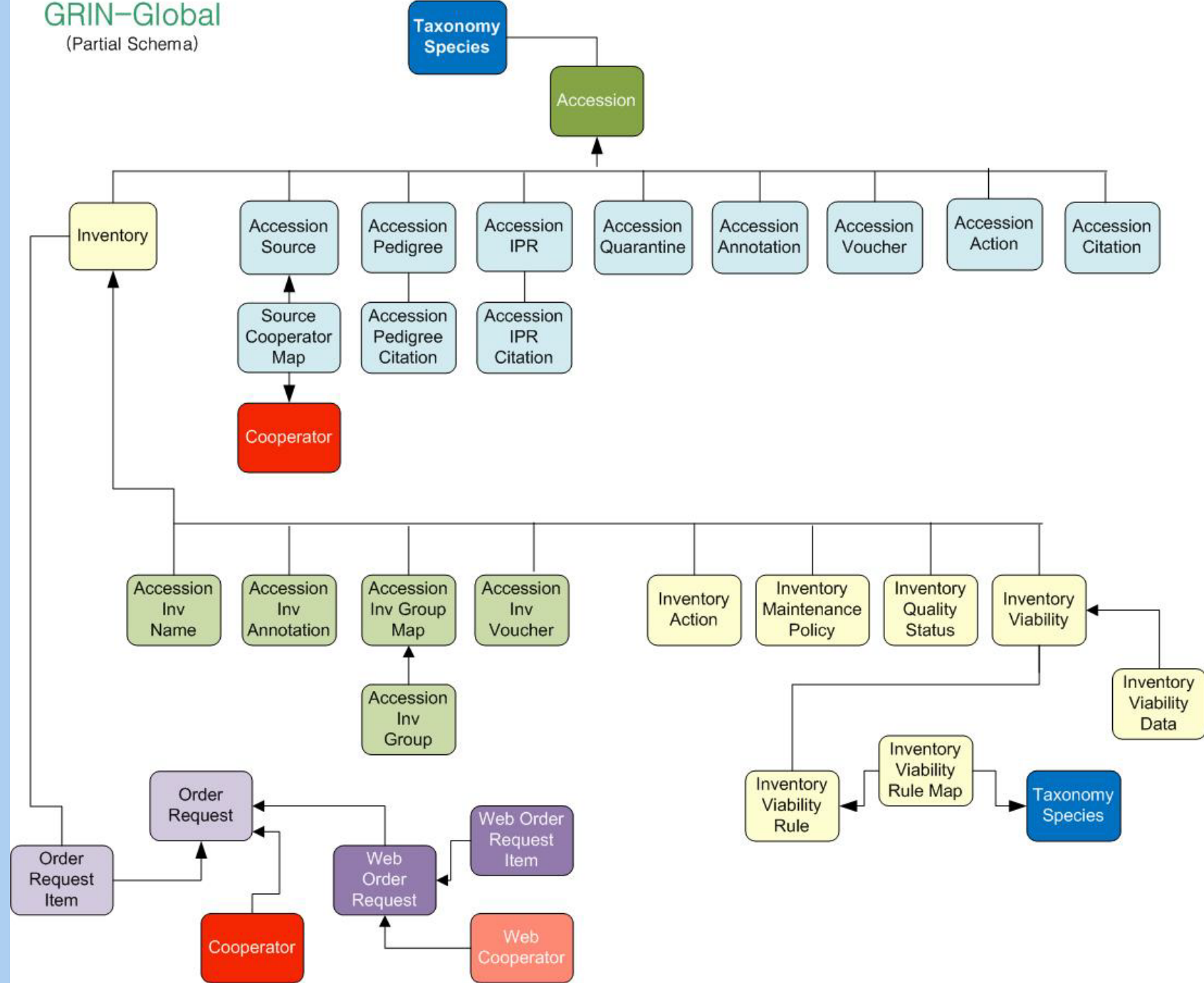
...Database Alternatives

Database 1	Accession Table							
	ID	Prefix	Number	Suffix	Name 1	Name 2	Name 3	Name 4
	1234	MAR	1	RRG	Yello Mello	Yatzee 123	Silver Fairy	Quattro B
	5678	MAR	2	RRG	Frankie3	BettyBgood		





...Database Alternatives

Database 3	Accession Table				Names Table		
	ID	Prefix	Number	Suffix	ID	Name	Acc_ID
	1234	MAR	1	RRG	1	Yello Mello	1234
	5678	MAR	2	RRG	2	Yatzee 123	1234
					3	Silver Fairy	1234
					4	Quattro B	1234
					5	Frankie3	5678
					6	BettyBgood	5678

GRIN-Global (Partial Schema)



Object Explorer

Connect    

- Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.accession**
 - Columns
 - accession_id (PK, int, not null)
 - doi (nvarchar(20), null)
 - accession_number_part1 (nvarchar(50), not null)
 - accession_number_part2 (int, null)
 - accession_number_part3 (nvarchar(50), null)
 - is_core (nvarchar(1), not null)
 - is_backed_up (nvarchar(1), not null)
 - backup_location1_site_id (FK, int, null)
 - backup_location2_site_id (FK, int, null)
 - status_code (nvarchar(20), not null)
 - life_form_code (nvarchar(20), null)
 - improvement_status_code (nvarchar(20), null)
 - reproductive_uniformity_code (nvarchar(20), null)

DESKTOP-O7PBIDO\S...I - dbo.accession

Column Name	Data Type	Allow Nulls
accession_id	int	<input type="checkbox"/>
doi	nvarchar(20)	<input checked="" type="checkbox"/>
accession_number_part1	nvarchar(50)	<input type="checkbox"/>
accession_number_part2	int	<input checked="" type="checkbox"/>
accession_number_part3	nvarchar(50)	<input checked="" type="checkbox"/>
is_core	nvarchar(1)	<input type="checkbox"/>
is_backed_up	nvarchar(1)	<input type="checkbox"/>
backup_location1_site_id	int	<input checked="" type="checkbox"/>
backup_location2_site_id	int	<input checked="" type="checkbox"/>
status_code	nvarchar(20)	<input type="checkbox"/>
life_form_code	nvarchar(20)	<input checked="" type="checkbox"/>
improvement status code	nvarchar(20)	<input checked="" type="checkbox"/>

Column Properties

(General)

(Name)	accession_id
Allow Nulls	No
Data Type	int

- - the end -