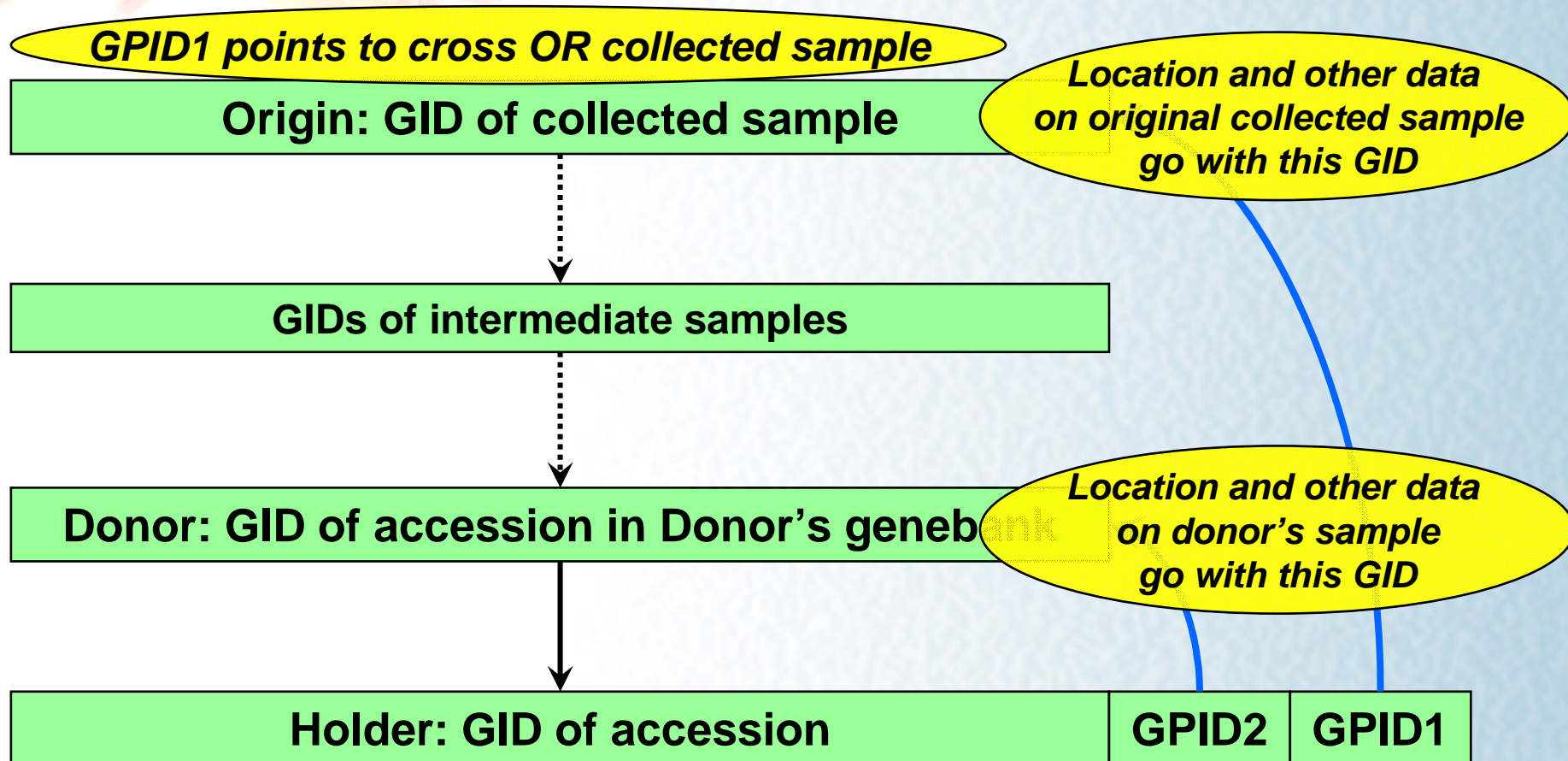# IRRI

People, Places and Institutes

- **GRIMS perspective**
  - o User-friendly system-guided workflow hiding irrelevant choices

- **Principles:**
  - o If we can do it within ICIS schema, use it
  - o If we can't and we don't need to publish,
    define and use our own special-purpose tables
  - o If we need to publish,
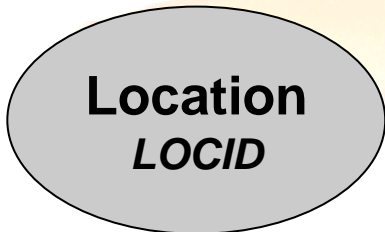   seek to generalize GRIMS use cases

IRRI

With good definitions / training / curation, ICIS can hold all locations with 1 loc/GID

GPID1 points to cross OR collected sample

Origin: GID of collected sample

Location and other data on original collected sample go with this GID

GIDs of intermediate samples

Donor: GID of accession in Donor's genebank

Location and other data on donor's sample go with this GID

Holder: GID of accession | **GPID2** | **GPID1**

Germplasm dates and locations

GID	GLOCN	GDATE
GID of accession	LOCID of holding genebank	Date of acquisition
GPID2 of accession = GID of donor's sample	LOCID of donor's institute	(Date donor originally acquired it)
GPID1 of accession = GID of collected sample	LOCID of collecting location	Date of collection

IRRI

People, Places and Institutes in ICIS

Location
LOCID

Any kind of location:
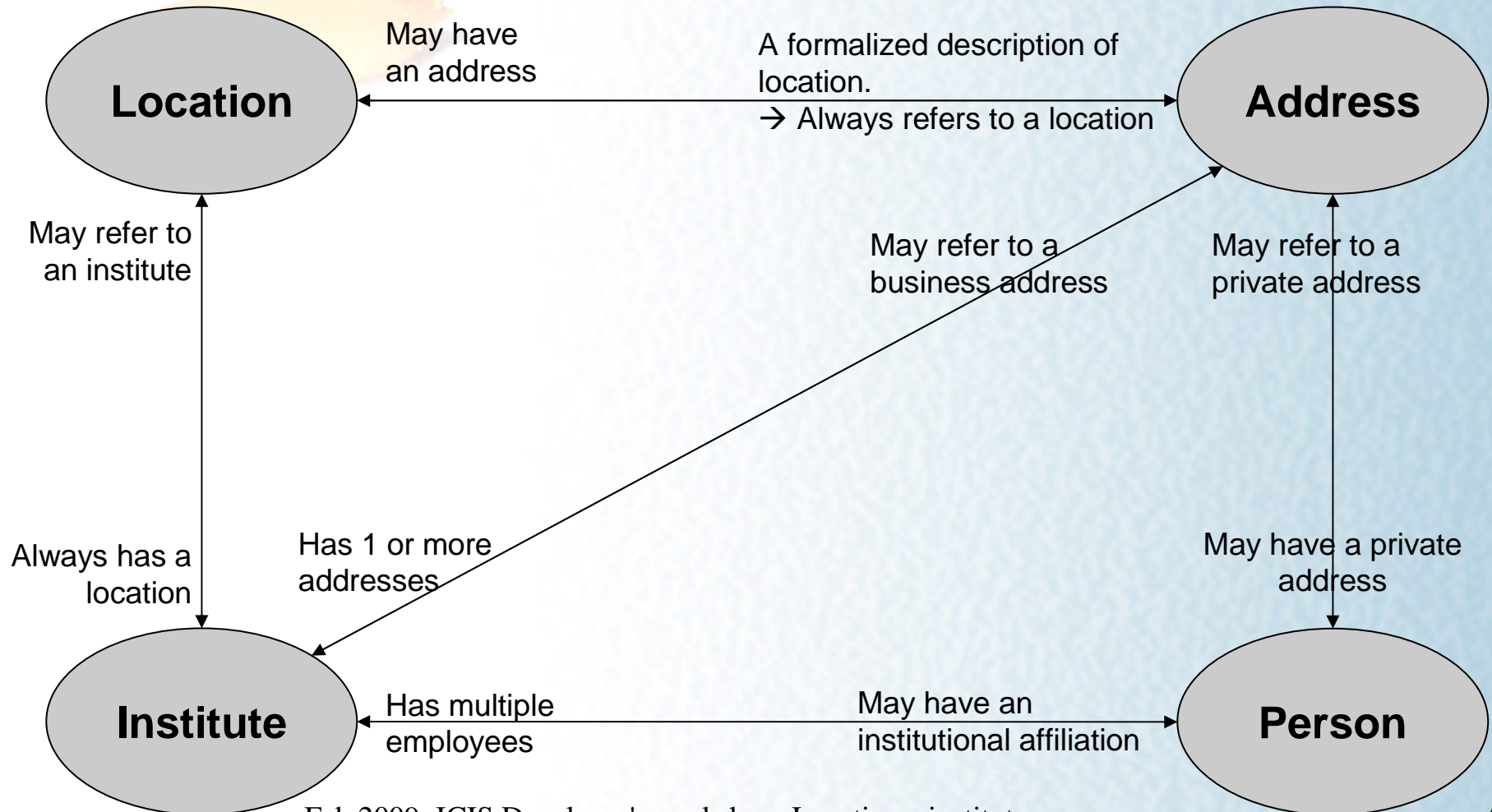Institute, Region, Country, Admin region, Populated place, Field, Building…

Institute
INSTITID
with address

Has multiple employees

May have an institutional affiliation

Person
PERSONID
INSTITID

IRRI

Locations, addresses, institutes and persons

Location — May have an address → **Address**

A formalized description of location.
→ Always refers to a location

Location — May refer to an institute

Address — May refer to a business address

Address — May refer to a private address

Institute — Always has a location

Institute — Has 1 or more addresses

Person — May have a private address

Institute — Has multiple employees — **Person**

Person — May have an institutional affiliation — **Institute**

IRRI

Use cases:
Cooperator summary

Types of cooperator:

- **Farmers**
- **Collectors**
- **Donors**
- **Recipients**
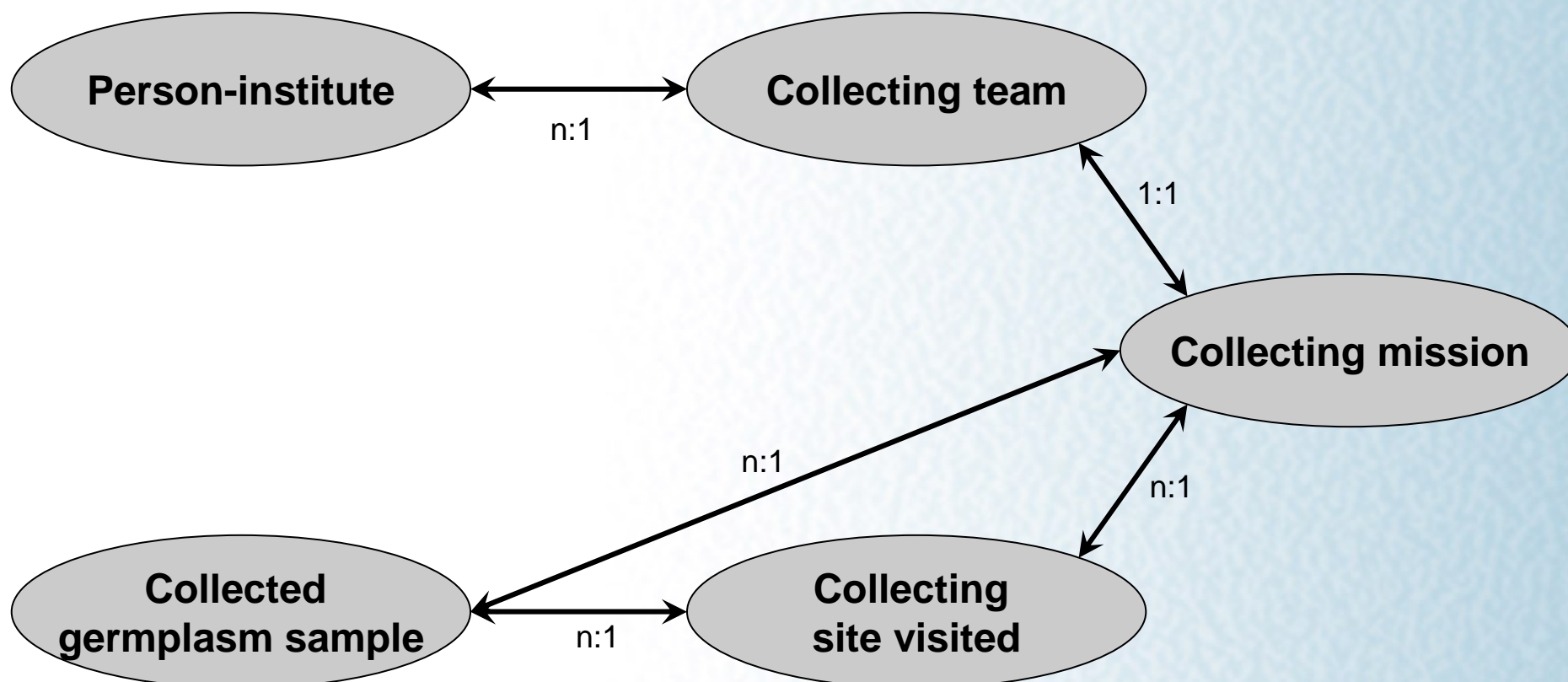- **(GRIMS Users?? = Users not Persons?)**
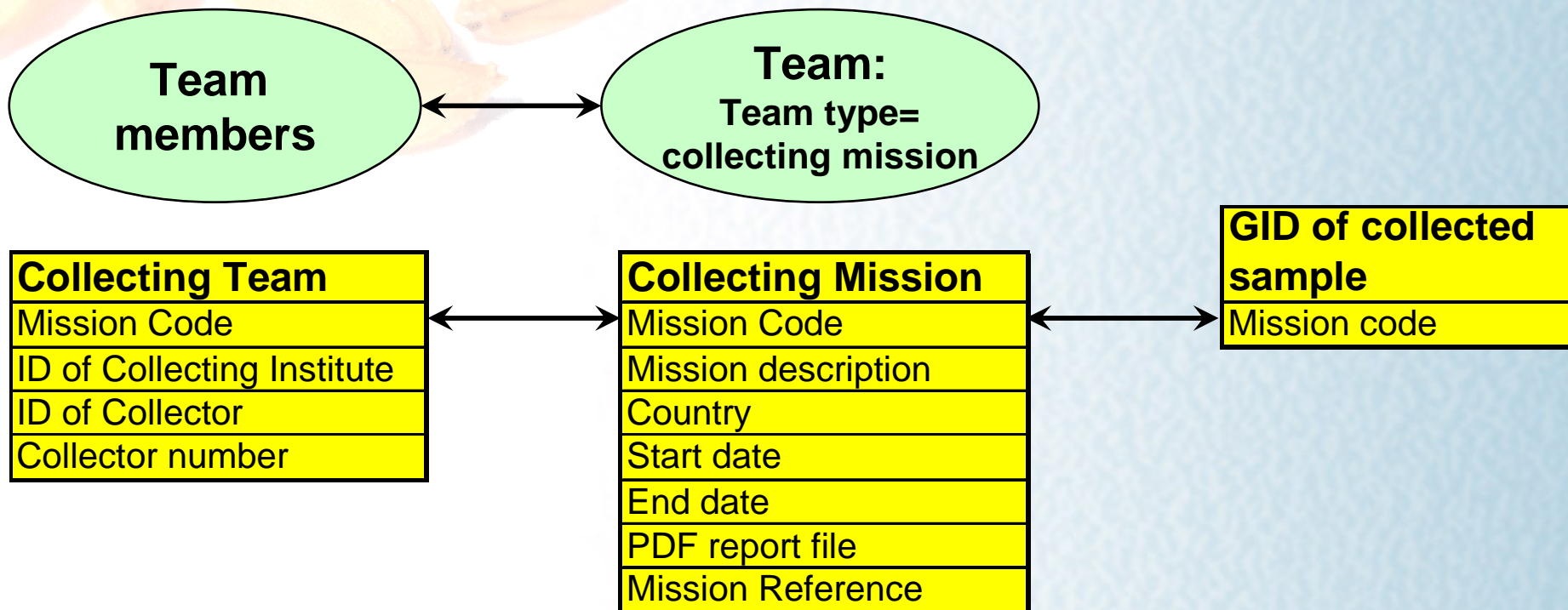
IRRI

Farmers

- **Role (in genebank collections):**
  - o Documented original provider of germplasm collected from farmer's field or grain store

- **Data associated with GID of collected sample**
  - = GPID1 of all resulting accessions etc

- **Data:**
  - o Location of field/farm/store → GLOCN of GID
  - o Date collected → GDATE of GID
  - o Farmer's name → attribute of GID
  - o Other associated data → other attributes of GID

IRRI

Collectors

- **Role: working in team, go on mission to collect germplasm from farmers, markets etc**

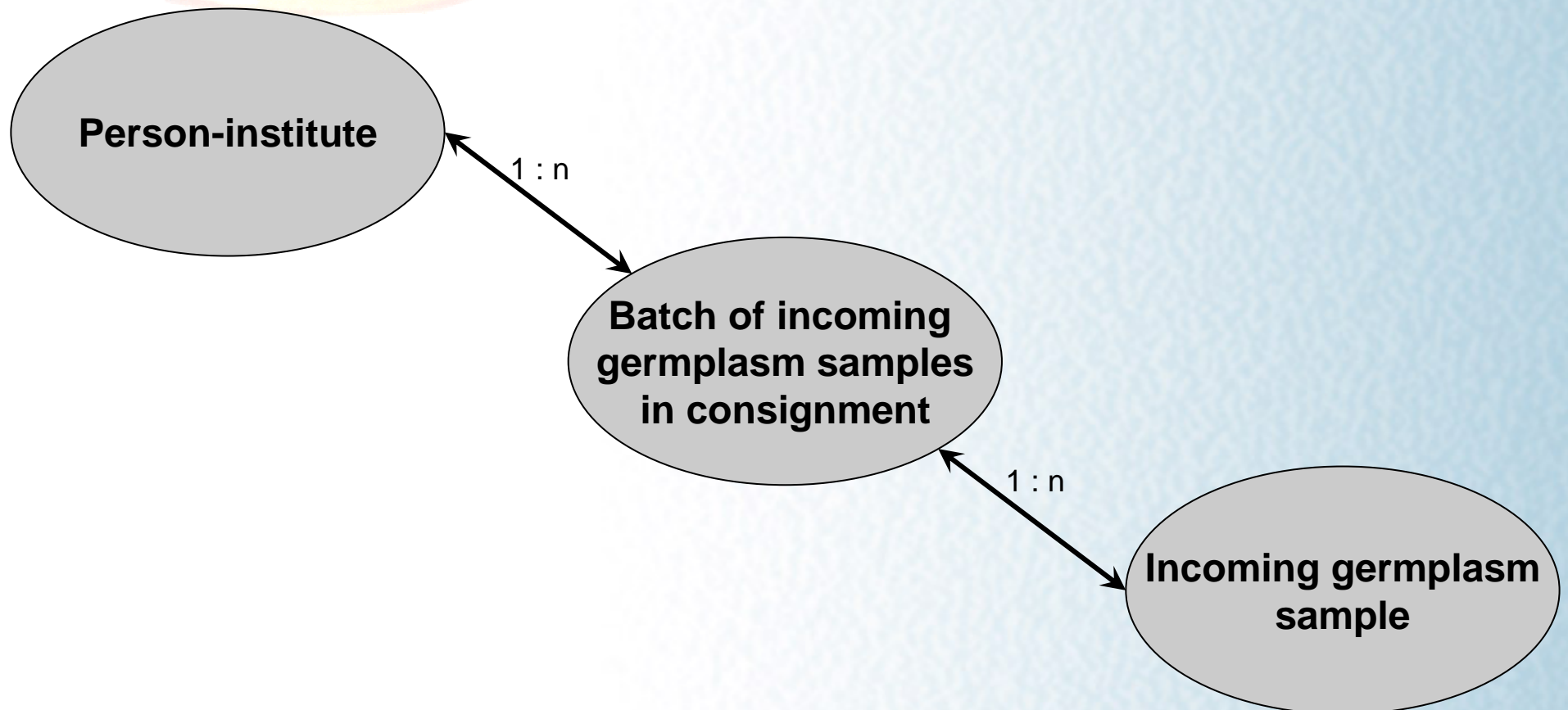Person-institute ←— n:1 —→ Collecting team

Collecting team ←— 1:1 —→ Collecting mission

Collected germplasm sample —— n:1 —→ Collecting mission

Collected germplasm sample ←— n:1 —→ Collecting site visited

Collecting site visited ←— n:1 —→ Collecting mission

IRRI

Data on collectors

```
   ┌─────────────┐         ┌──────────────────┐
   │    Team     │         │     Team:        │
   │   members   │◄───────►│   Team type=     │
   │             │         │ collecting mission│
   └─────────────┘         └──────────────────┘
```

Collecting Team
Mission Code
ID of Collecting Institute
ID of Collector
Collector number

◄──────►

Collecting Mission
Mission Code
Mission description
Country
Start date
End date
PDF report file
Mission Reference

◄──────►

GID of collected sample
Mission code

Two more tables for ICIS?

IRRI

Donors

- **Role: send shipment of samples to IRRI**

Person-institute

1 : n

Batch of incoming germplasm samples in consignment

1 : n

Incoming germplasm sample

IRRI

Data on incoming batches

Public data

Batch ID	
(Date Received)	=GDATE
(ID of donor institute)	=GLOCN of GPID2
ID of donor	
Remarks	

Internal management data

SHU_NO
TOT_RECEIVED
TOT_SAT
TOT_WILD
TOT_GLAB
etc …

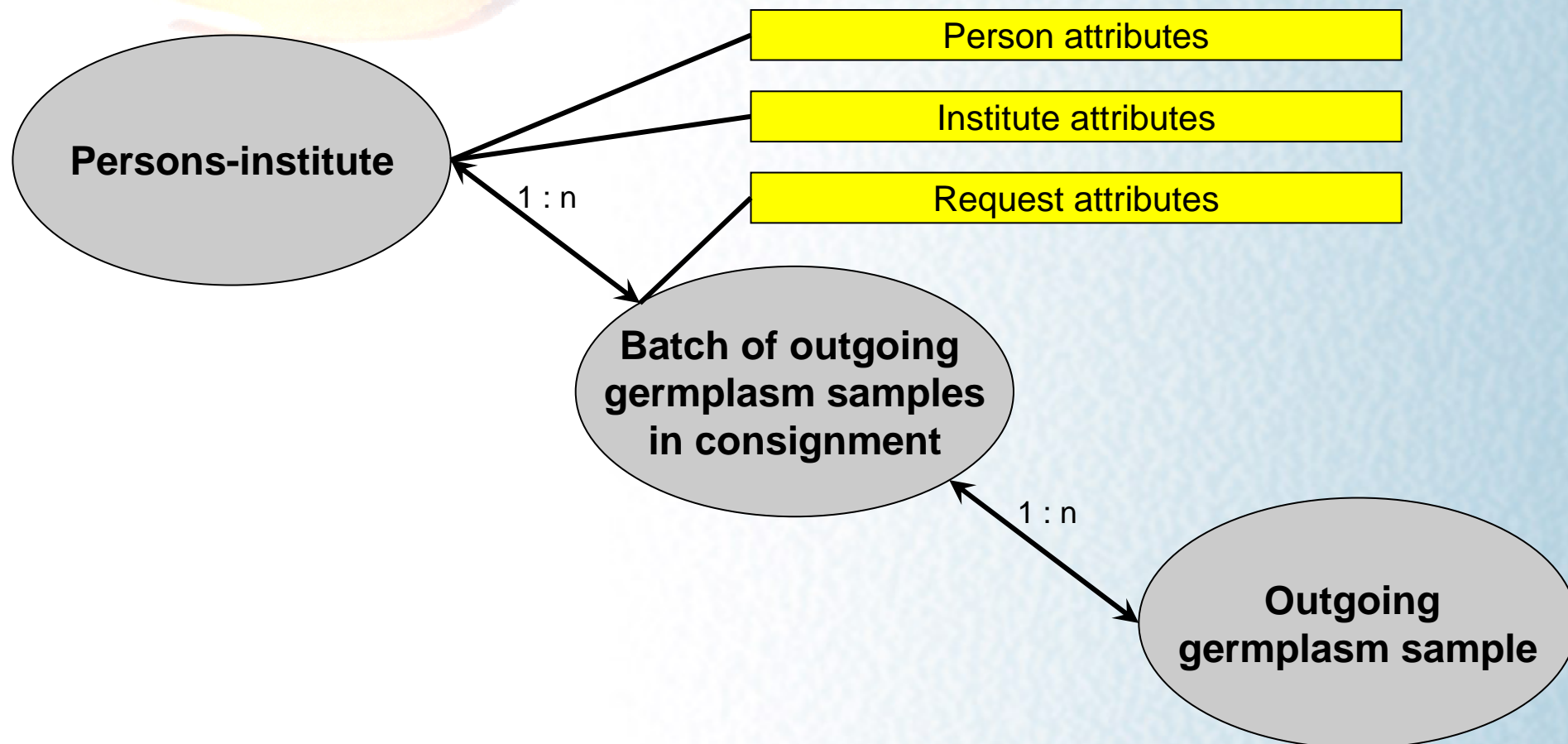Batch = List?

Batch ID → Attribute of GID?

How to link Batch ID to PersonID of donor?

  (ListUID=ICIS UserID, not donor's PersonID)

IRRI

Recipients

- **Role: obtain germplasm samples from IRRI**

Requestors/recipients

- **Institute attributes**
  - o Type of organization
  - o Needs signed SMTA?
  - o Standing acceptance of SMTA or case-by-case?
- **Person attributes**
  - o Authorized to accept SMTA on behalf of organization?
- **Shipment attributes**
  - o Shipping address
  - o Port of entry
  - o Person-person relationships (?)
  - o SMTA accepted as individual or organization?
  - o Purpose of request

Recipients

- **Persons involved:**
  - o Requestor: person placing the request
  - o Recipient: person ultimately receiving the seed
  - o Consignee: person to whom the consignment is addressed
  - o Supervisor: person who supervisors the requestor
  - o Authorizer: person authorized to accept SMTA

- **Addresses involved:**
  - o Address of person/institute (permanent)
  - o Shipping address (for request)
  - o Port of entry (for request)

IRRI

Events

Location → Address

Event — Associated with one or more addresses → Address

Event table for ICIS?

Event — Associated with one or more institutes → Institute

Event — Associated with one or more persons → Person