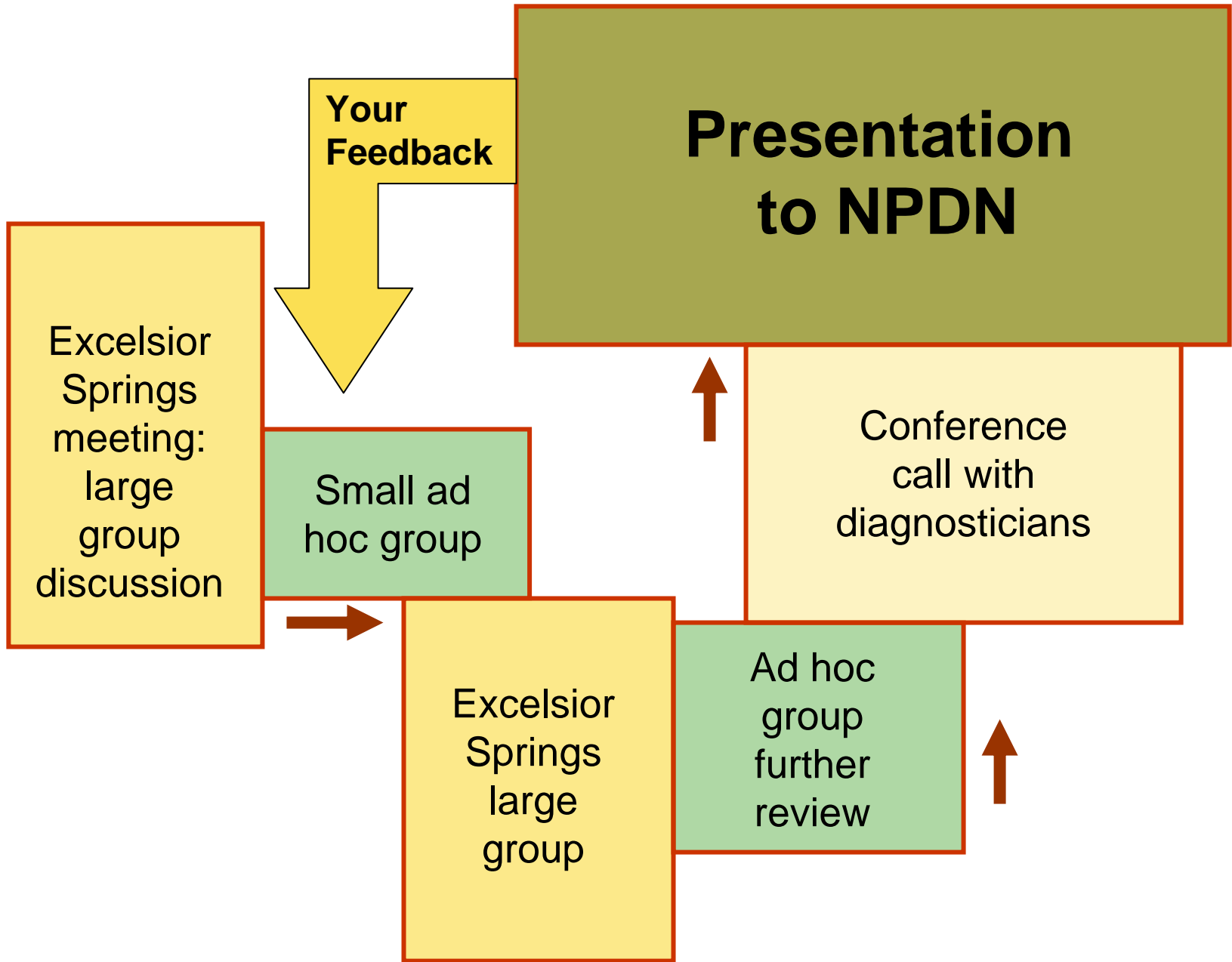
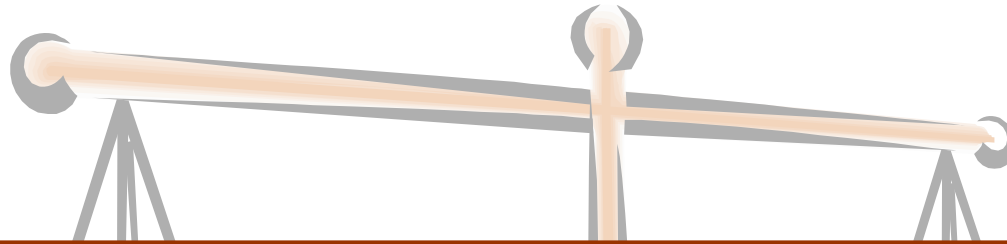


Steps toward consensus



Weighing alternatives



Questions we asked ourselves:

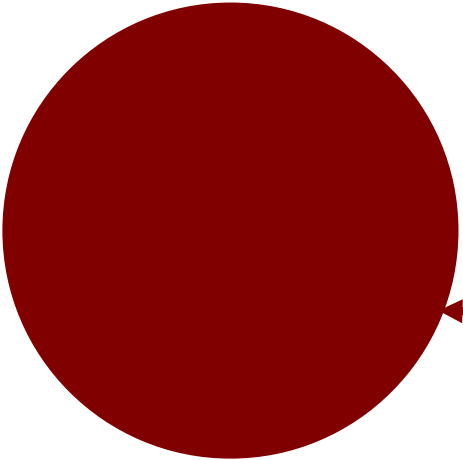
- What fields are currently required by NPDN?
- What additional fields are already being collected by many clinics ?
- Should any currently optional fields be required for 2007?
- Should any new fields be added AND required for 2007?
- What data are currently not uploaded that have the highest value for epidemiology and other data analysis?
- What other fields are desirable but of lower importance?



Anomaly Types

- **Host Characters** – appears on new host or new part of host
Host genus, species, subspecies, plant part affected, symptomology
- **Pest Characters** – change in pesticide resistance, virulence, etc.
Pest/ Pathogen genus, species, subspecies, plant part affected, symptomology
- **Geographic** – appears in new place
state, county, zip code, lat./long. transportation routes
- **Temporal** – appears at an unusual time of season
Date collected, date submitted, date of onset of symptoms, weather, risk models
- **Climatic** – appears during unusual weather conditions
Weather, climate and risk models
- **Distribution** – spreads in a new way, or at new rates
Combination of geographic, temporal, and transportation fields
- **Association** – shows association with another factor that is new or unusual
Host, pest, ecozone, soils, land use, crop history, satellite imagery

Expanding NP DN Data



PHASE 1 Required:

Lab name/identifier
Sample ID
State / County
Host Genus
Diagnosis-ID Genus
Date received

PHASE 1 Required:

Basic data for Lab,
Date, Location, Host,
and ID/diagnosis
genus.

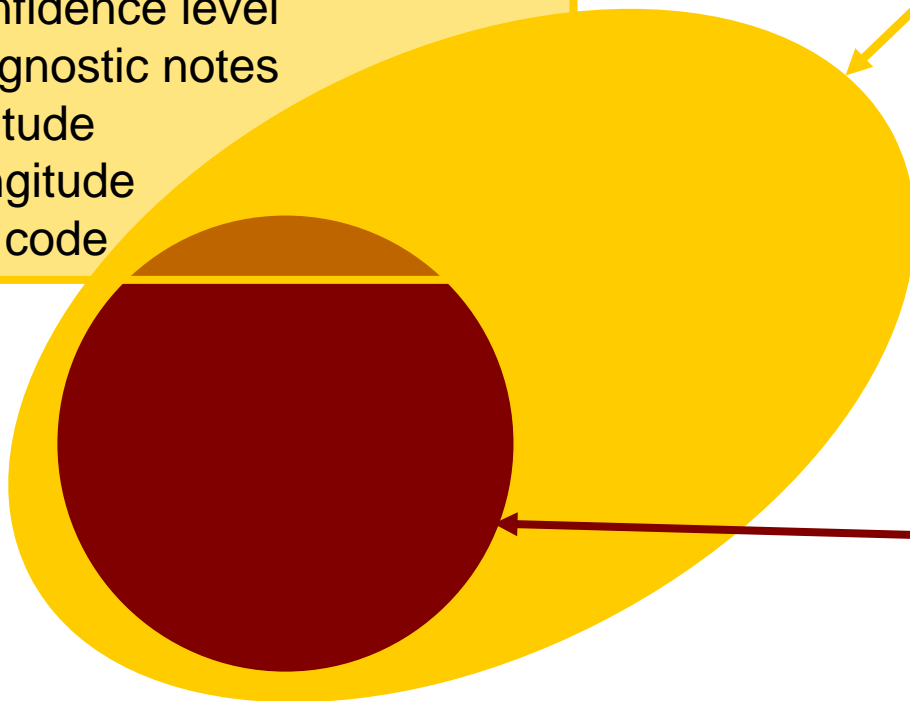
Expanding NPDN Data

Phase 1 Optional:

Date collected
Sample notes
Host common name
Host species
Host subspecies
Diagnosis-ID common name
Diagnosis-ID species
Diagnosis-ID subspecies
Diagnostic method
Confidence level
Diagnostic notes
Latitude
Longitude
Zip code

PHASE 1 Optional:

Species and common names for host and diagnosis/ID, Zip code, Notes, Date collected



PHASE 1 Required:

Basic data for Lab, Date, Location, Host, and ID/diagnosis genus.

Expanding NPDPN Data

PHASE 2 Optional:

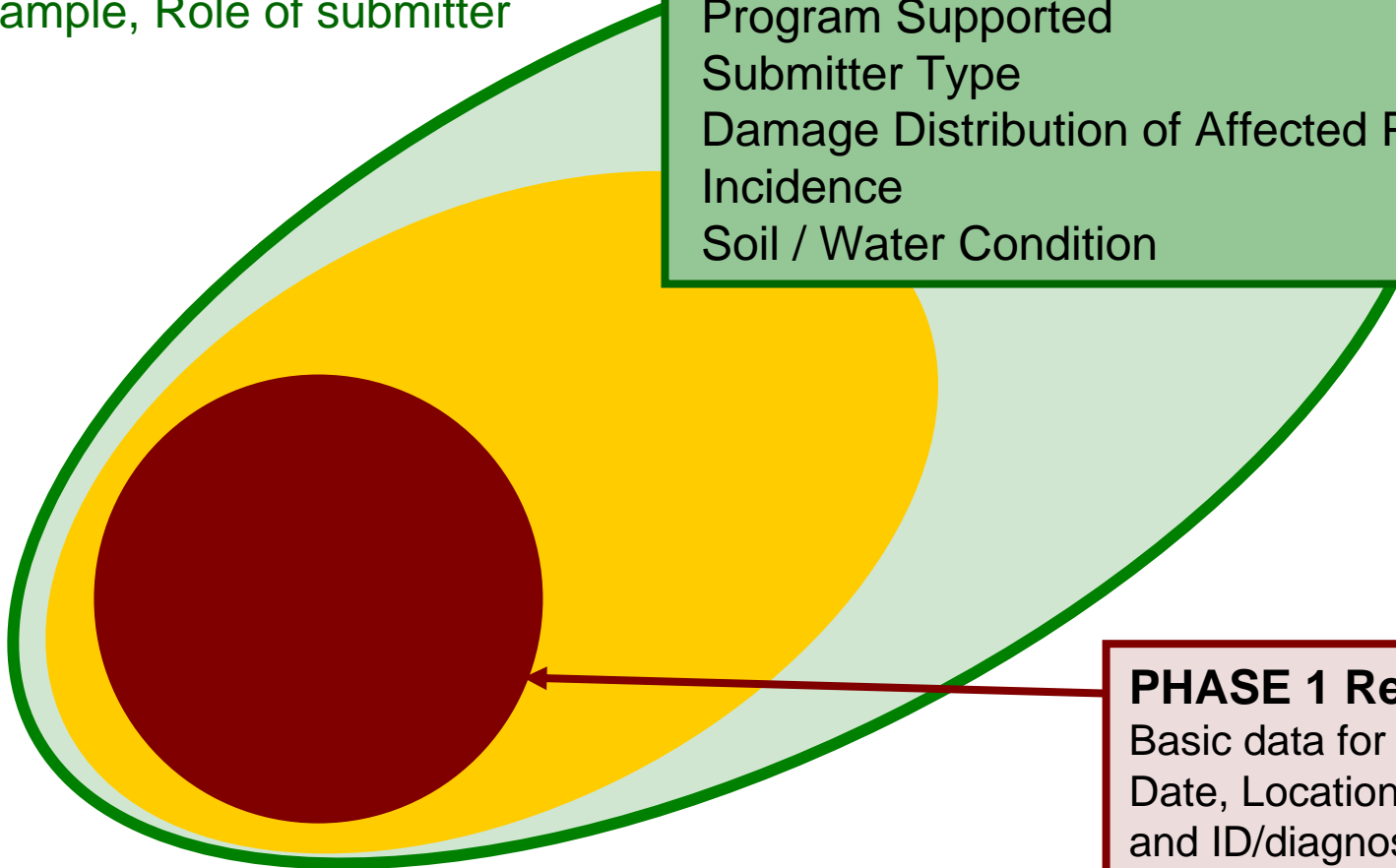
Observational Data: Onset, Symptoms, Signs;
Entomology / Nematode Fields;
Site Data: Conditions, Type of Site, Distribution, Incidence;
Ancillary data: Purpose of sample, Role of submitter

Proposed PHASE 2 Optional Fields:

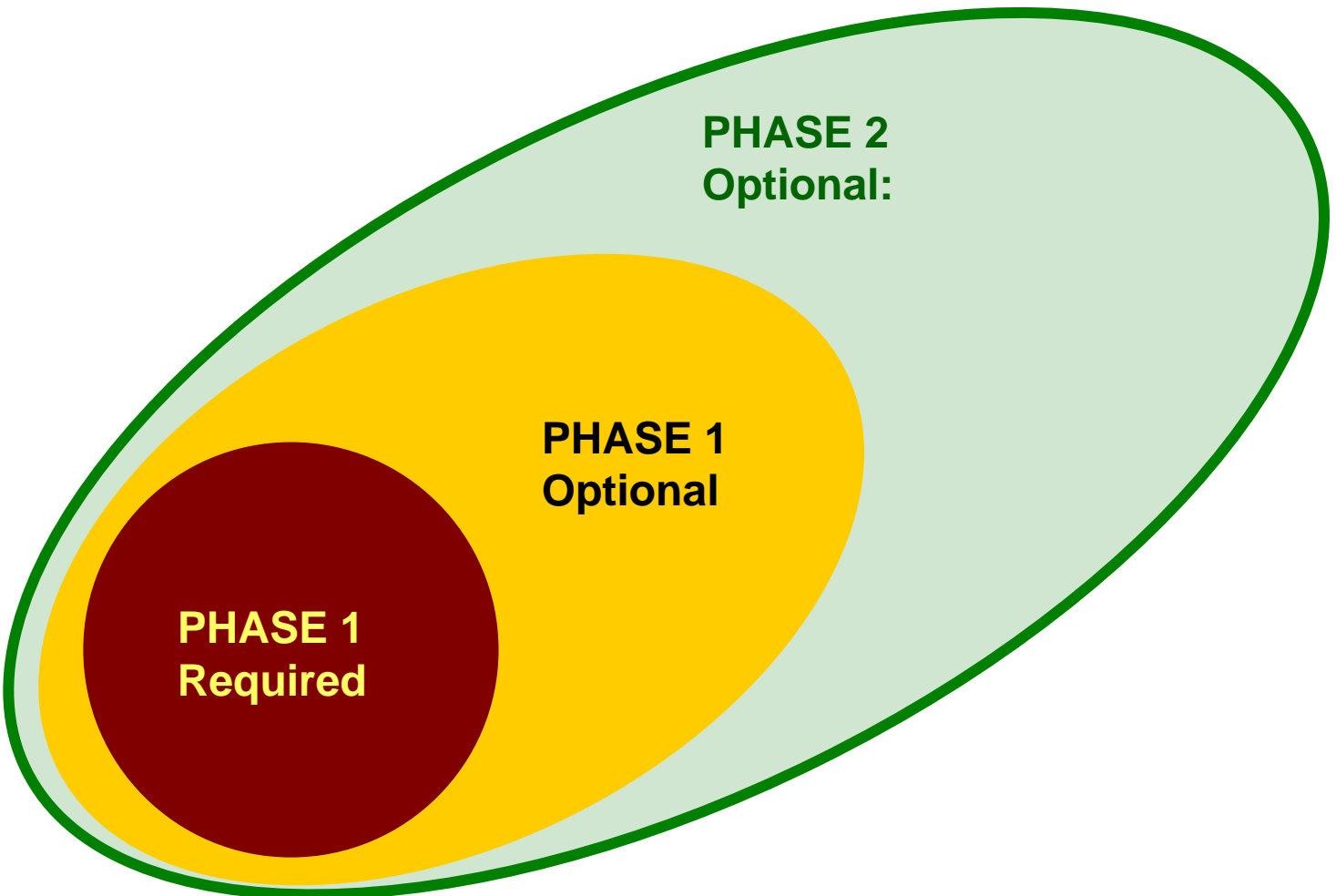
Date First Observed
Plant Symptoms / Signs Observed
Plant Parts Affected
Entomology / Nematode Fields
Host Plant Situation
Purpose of Submission
Program Supported
Submitter Type
Damage Distribution of Affected Plants
Incidence
Soil / Water Condition

PHASE 1 Required:

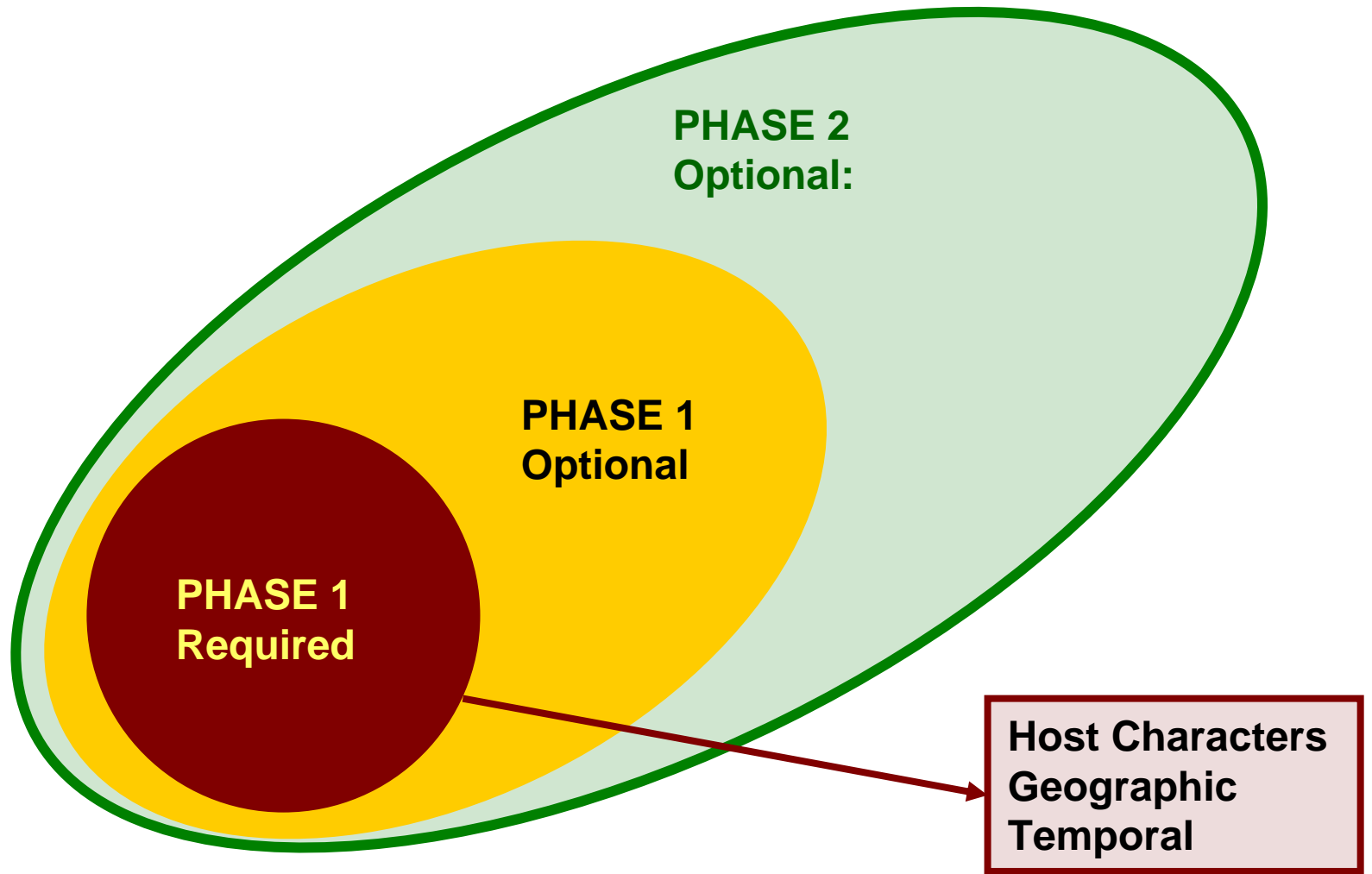
Basic data for Lab, Date, Location, Host, and ID/diagnosis genus.



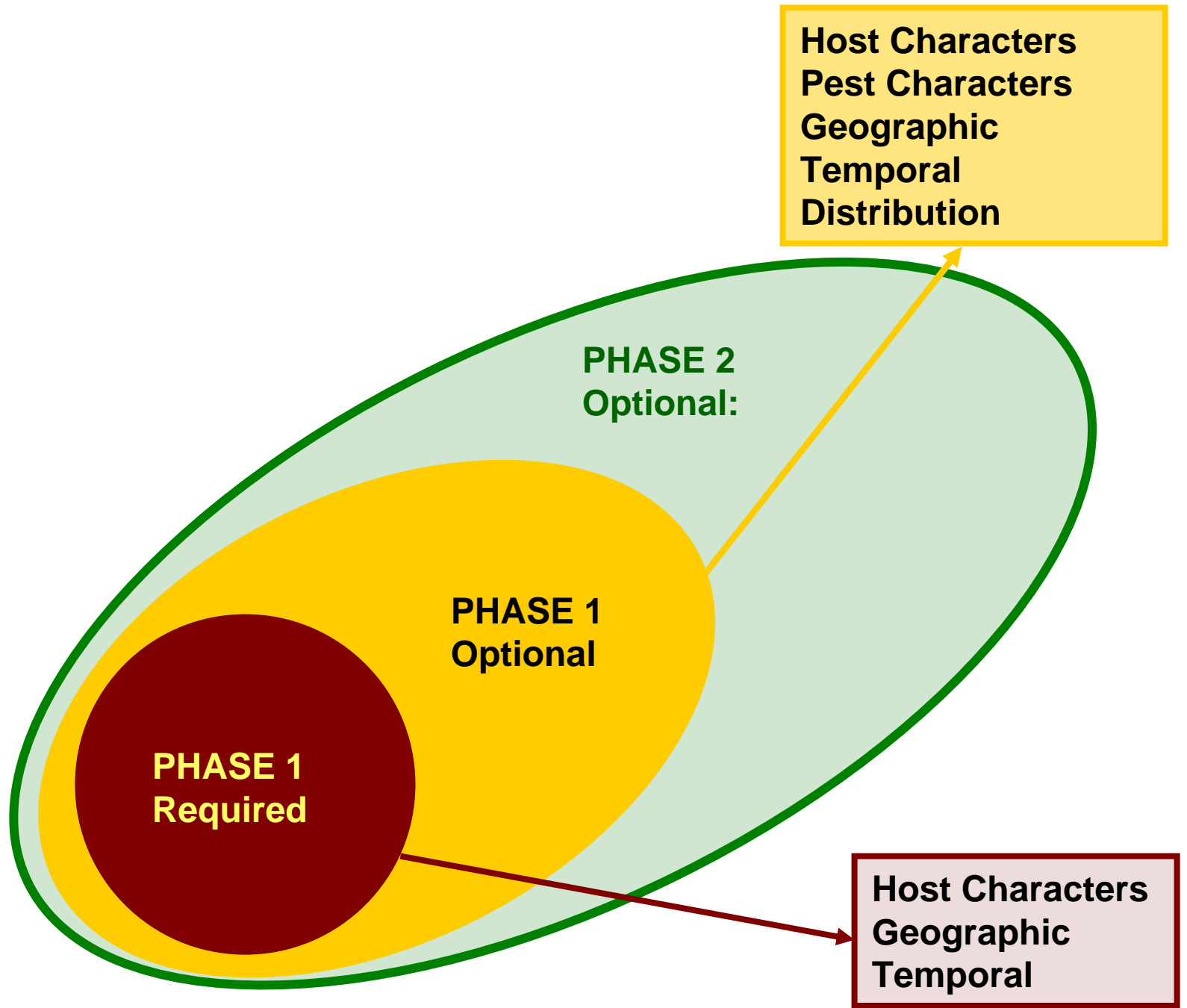
Expanding NPDN Data



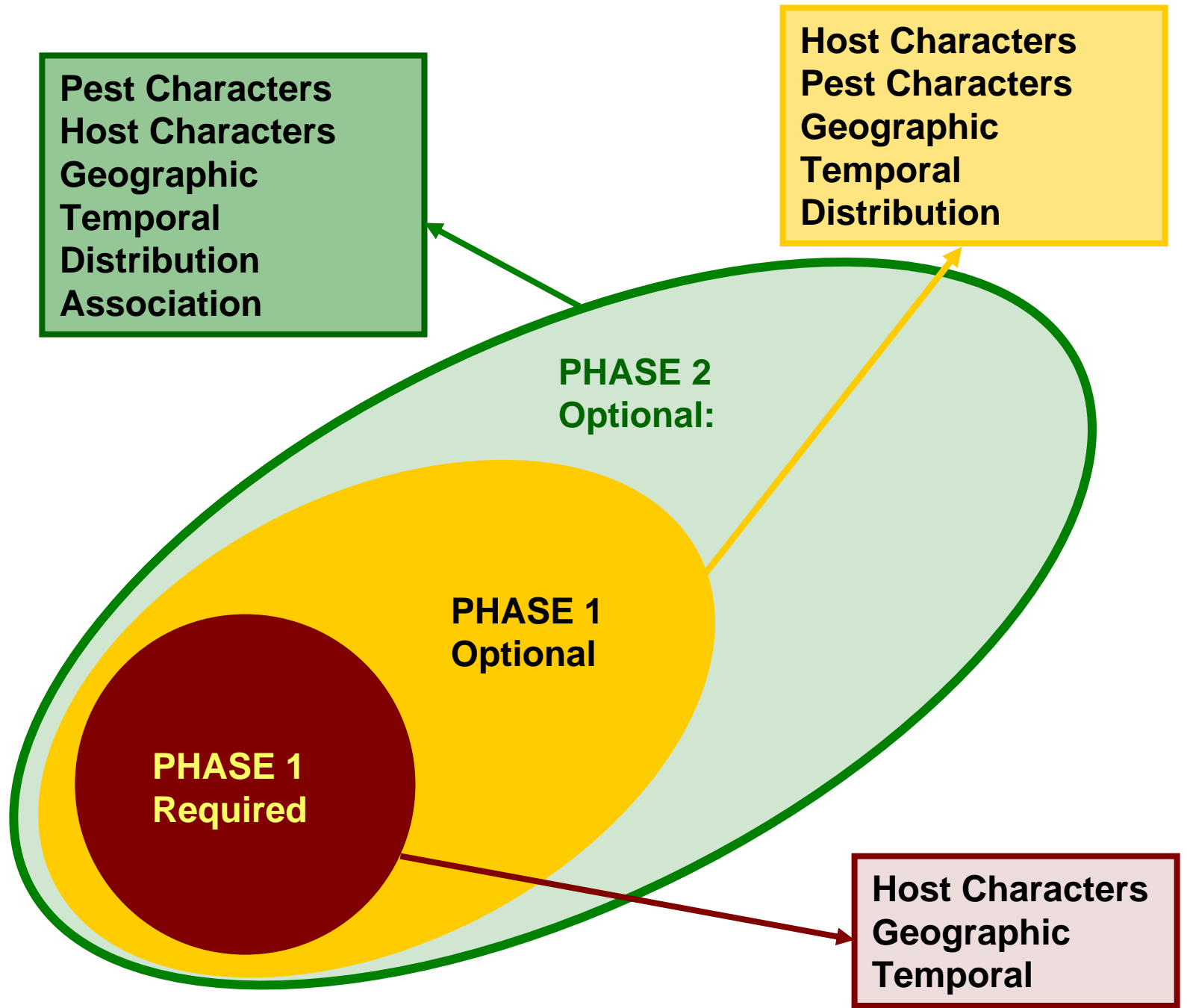
Anomaly Types



Anomaly Types



Anomaly Types



Anomaly Types

PHASE 1 Required:

Lab name/ID
Sample ID
Diagnosis-ID
State / County
Host Genus
Diagnosis-ID Genus
Date received

Phase 1 Optional:

Date collected
Sample notes
Host common name
Host species
Host subspecies
Diag. common name
Diag. species
Diag. subspecies
Diagnostic method
Confidence level
Diagnostic notes
Latitude
Longitude
Zip code

Proposed PHASE 2 Optional Fields:

Date First Observed
Plant Symptoms / Signs
Plant Parts Affected
Entomology / Nematode
Fields
Host Plant Situation
Purpose of Submission
Program Supported
Submitter Type
Distribution of Plants
Incidence
Soil / Water Condition