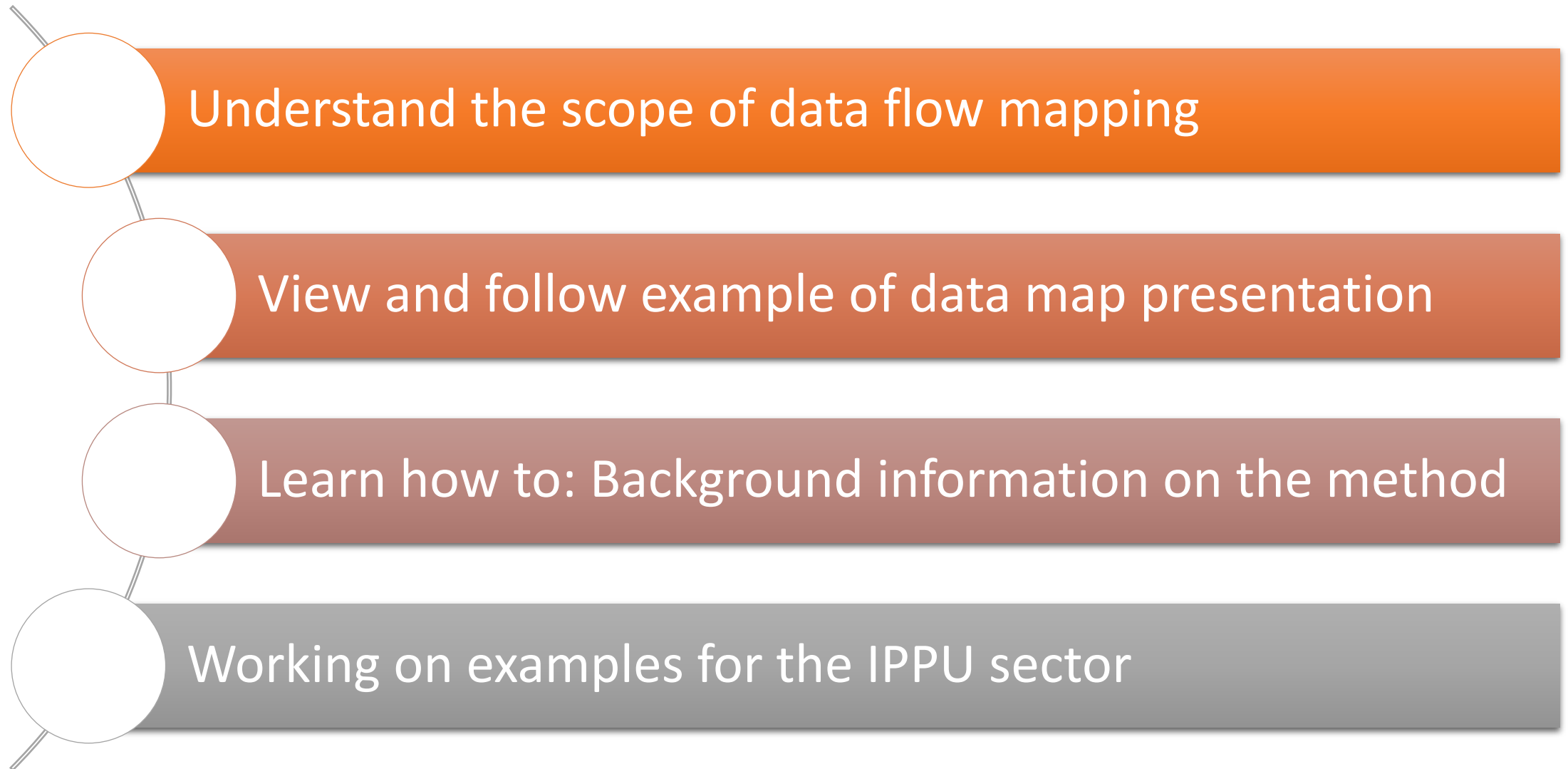


Mapping existing data sources and data flows

Dr. Olia Glade – GHGMI
Director for GHG MRV Systems

Objectives



What's included?

Data mapping usually presents the flow of the data in a graphical form. It may include:



Key procedures on the data

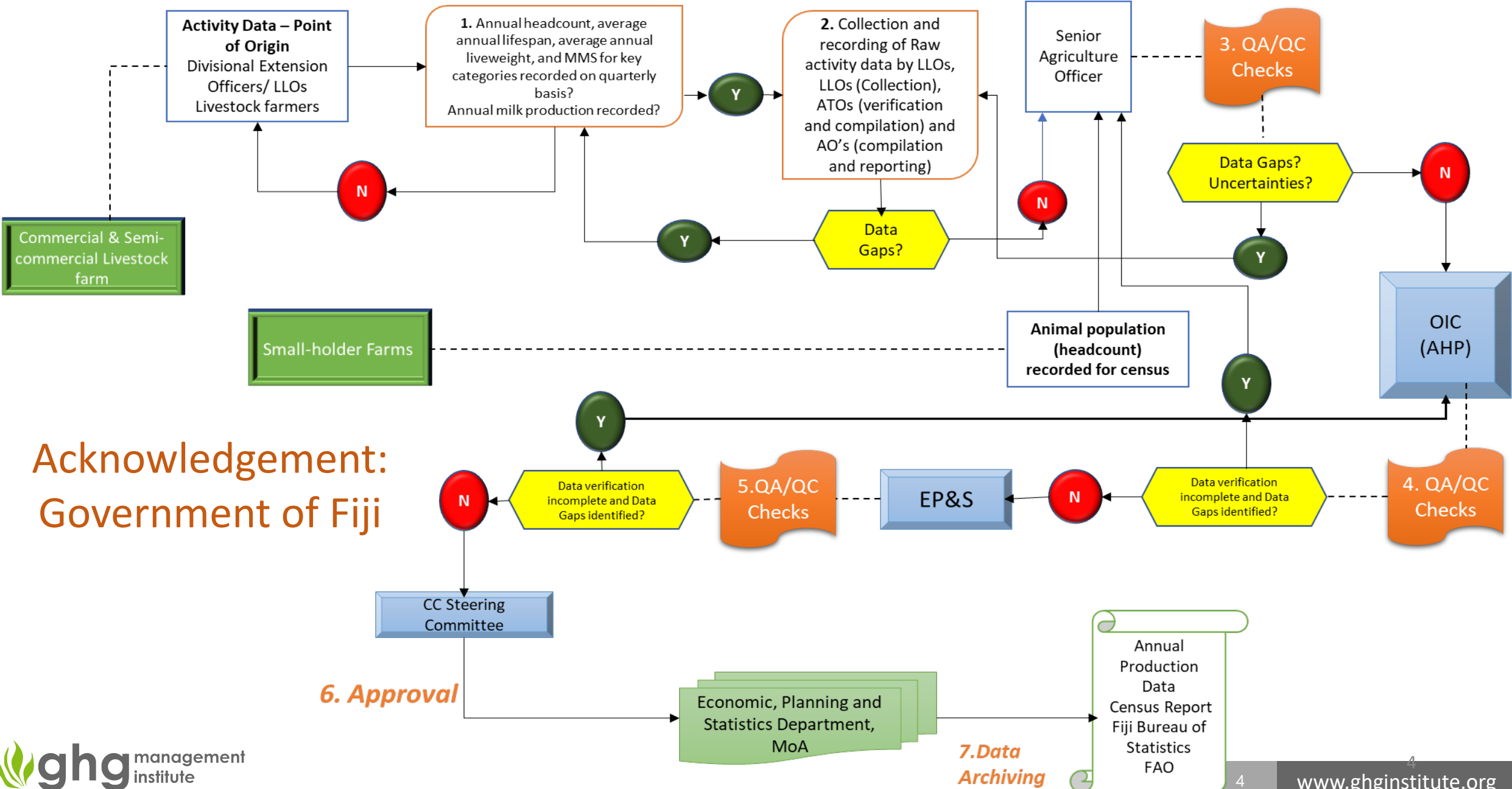
Relevant responsibilities

Procedures, e.g.:

- QC procedures,
- QA procedures,
- major approvals,
- sign-offs


The data map helps us to trace the data along the inventory life cycle

An example of a data flow map (Fiji)



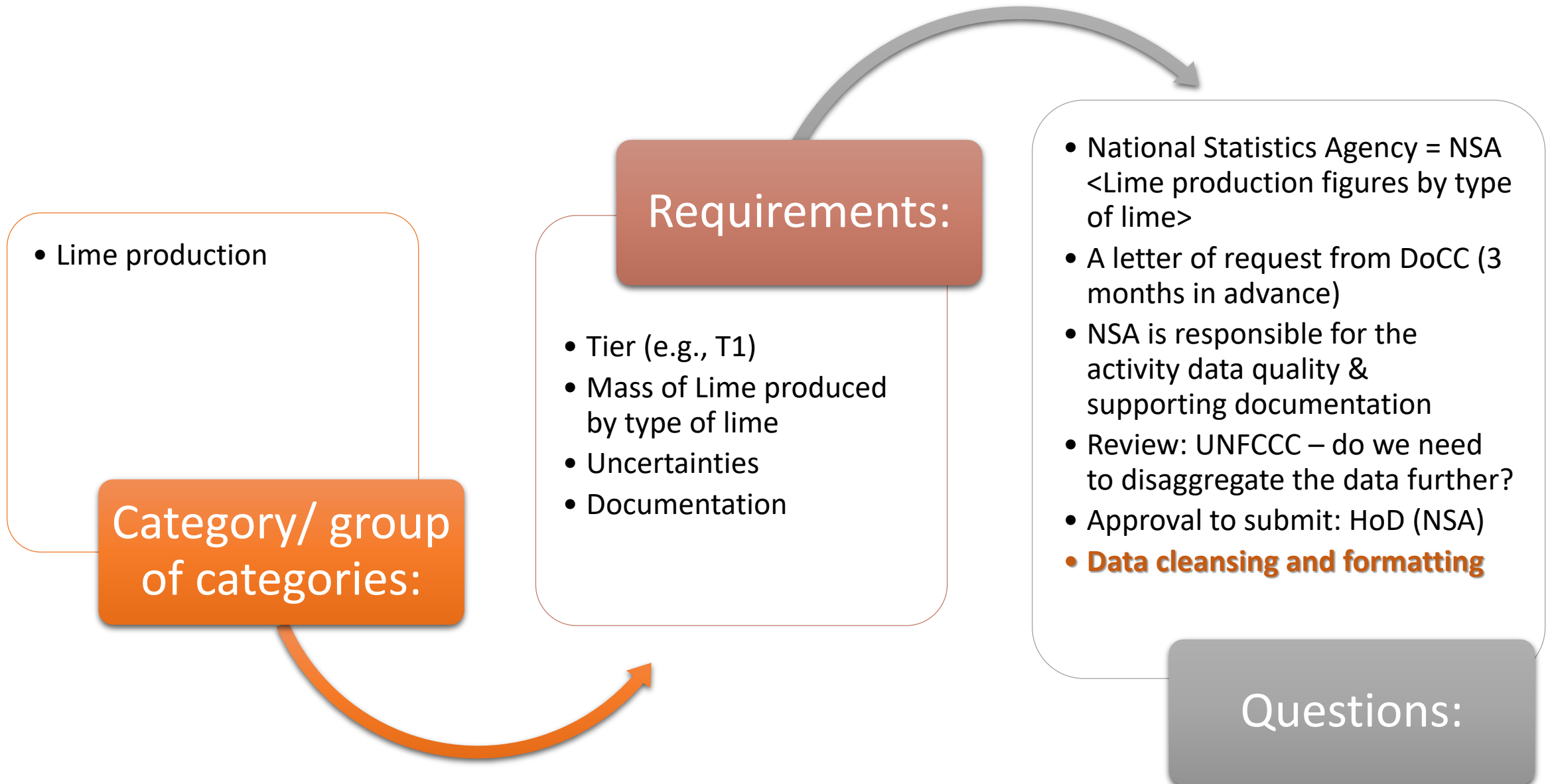
Acknowledgement:
Government of Fiji

How do we do it?

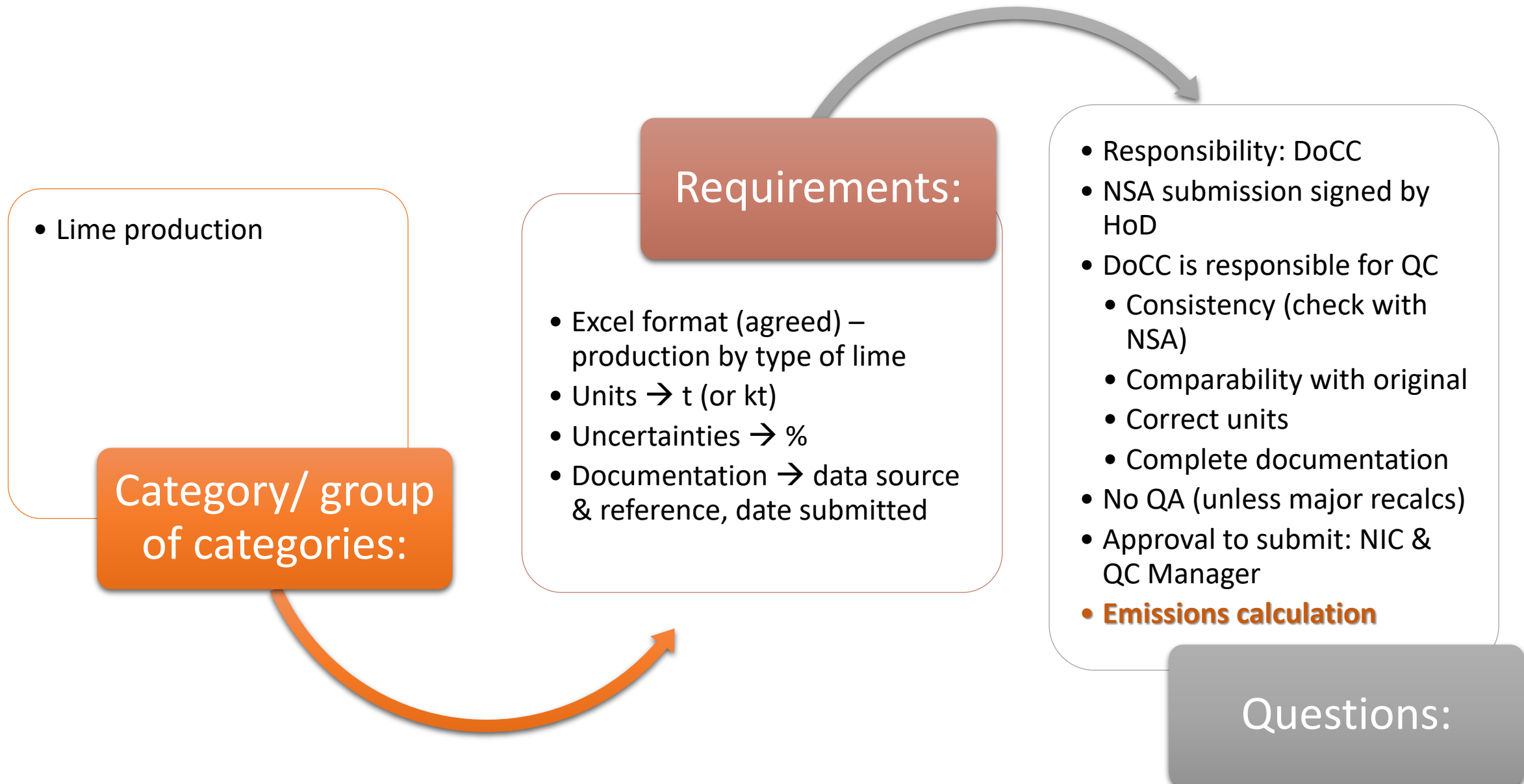
- ✓ Identify specific **categories** and category groups for which the data flows will be mapped
- ✓ For a selected group/category, identify which data are **required** or the scope of data
- ✓ Ask **questions** 



Step-by-step example: Step 1 – AD collection



Step-by-step example: Step 2a – AD cleansing and formatting



Step-by-step example: Step 2b – EF sourcing

• Lime production

Category/ group of categories:

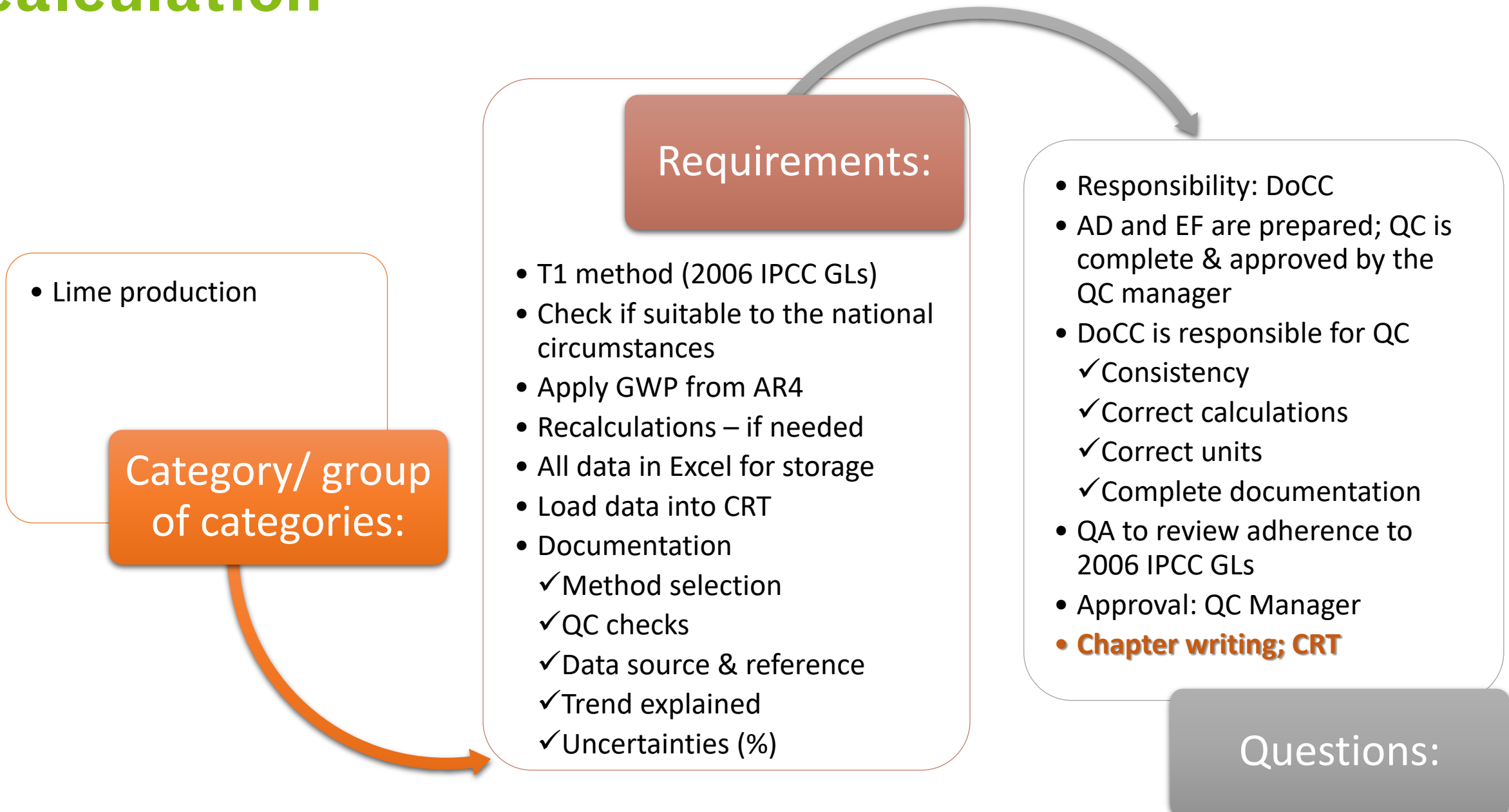
Requirements:

- T1 - Emission factor (by lime type) – CS or tbl 2.4 (V.3, 2006 IPCC GLs)
- Check if suitable to the national circumstances for:
 - ✓ CaO content
 - ✓ MgO content
 - ✓ CaO or CaO•MgO content
- Uncertainties → %
- Documentation
 - ✓ data source & reference
 - ✓ date submitted
 - ✓ For CS: justification & ref

- Responsibility: DoCC
- NSA submission signed by HoD
- DoCC is responsible for QC
 - Consistency (check with NSA)
 - ✓ Comparability with original
 - ✓ Correct units
 - ✓ Complete documentation
- QA to check suitability of EFs
- Approval to submit: NIC & QC Manager
- **Emissions calculation**

Questions:

Step-by-step example: Step 6 – Emissions calculation



- Lime production

Category/ group of categories:

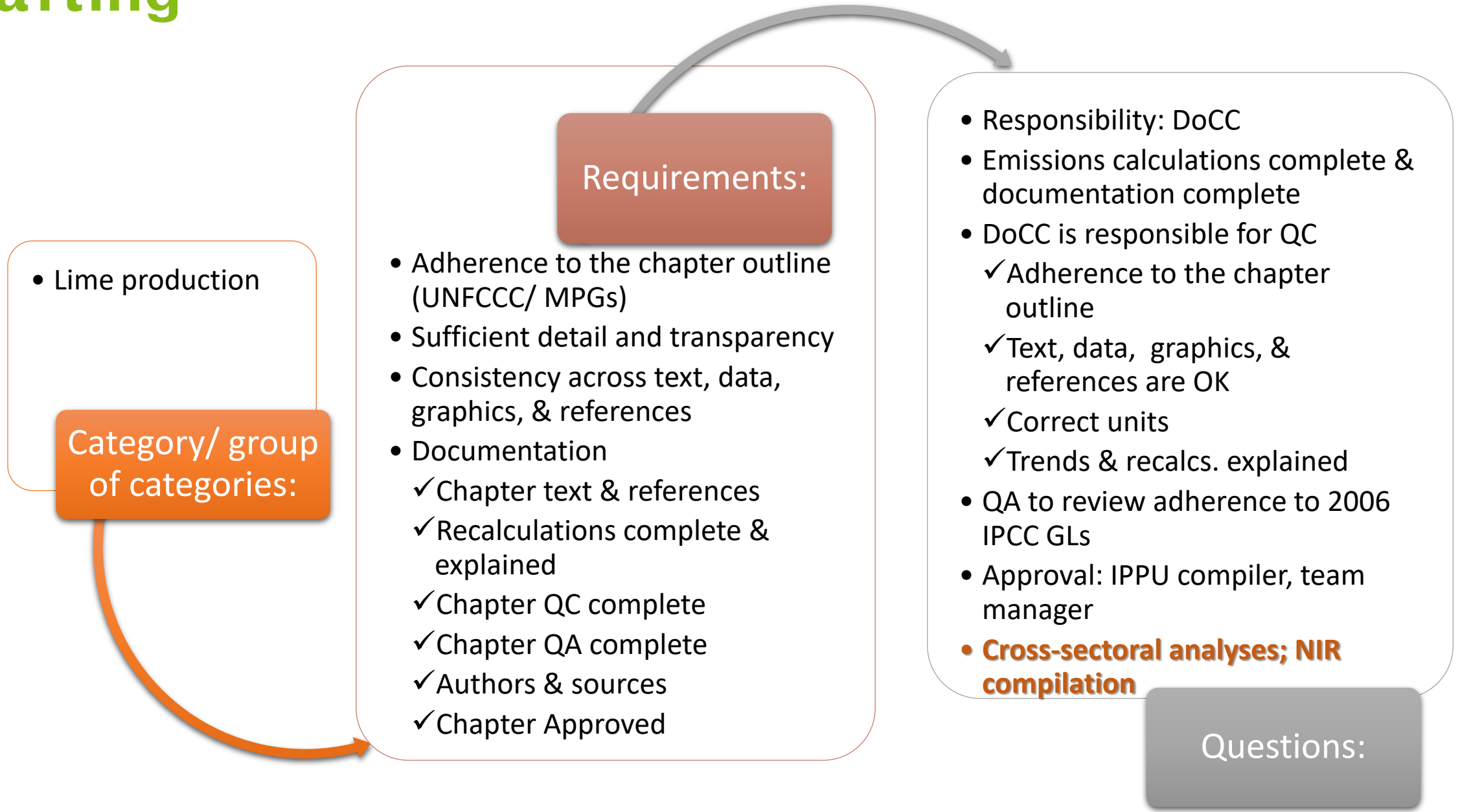
Requirements:

- T1 method (2006 IPCC GLs)
- Check if suitable to the national circumstances
- Apply GWP from AR4
- Recalculations – if needed
- All data in Excel for storage
- Load data into CRT
- Documentation
 - ✓ Method selection
 - ✓ QC checks
 - ✓ Data source & reference
 - ✓ Trend explained
 - ✓ Uncertainties (%)

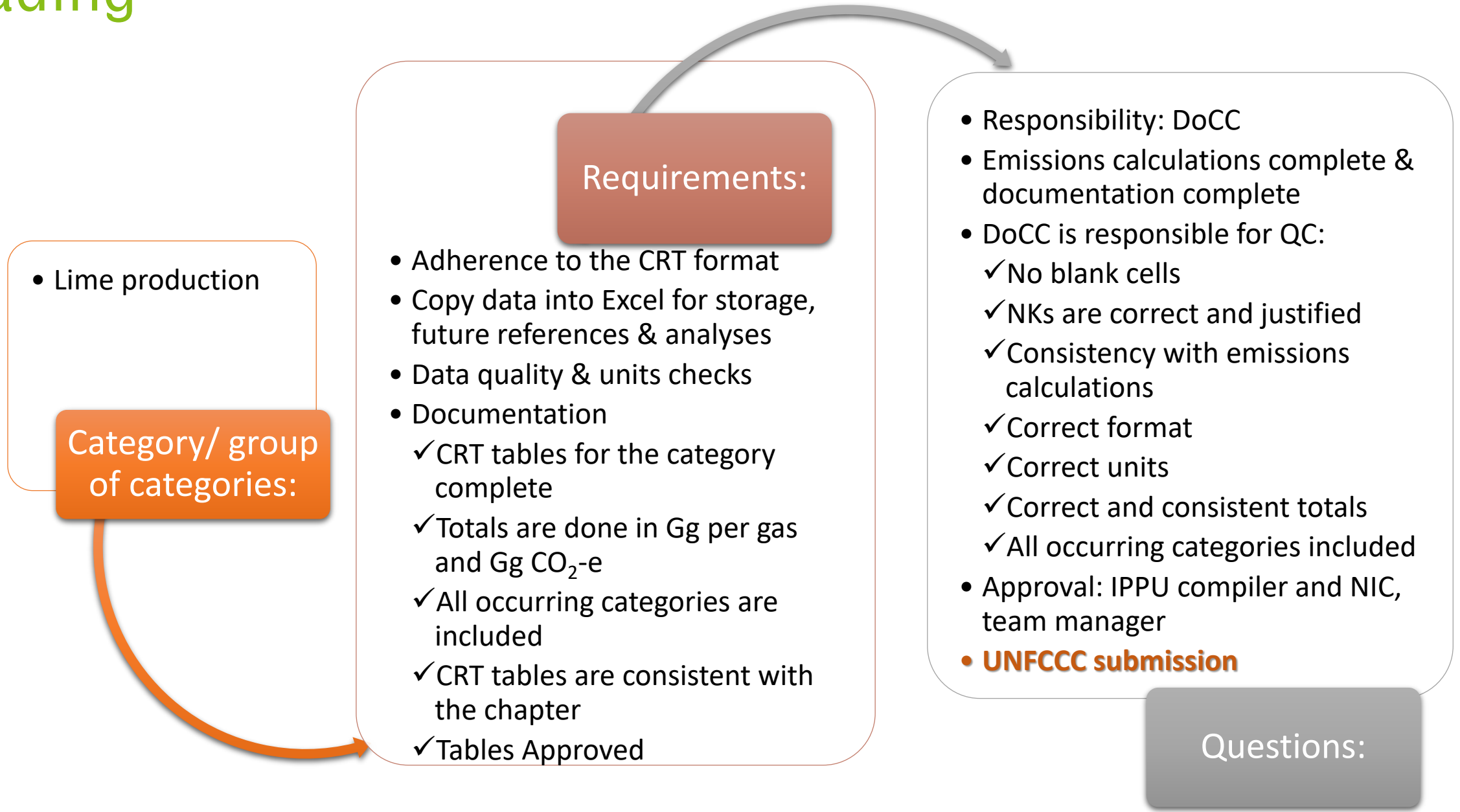
- Responsibility: DoCC
- AD and EF are prepared; QC is complete & approved by the QC manager
- DoCC is responsible for QC
 - ✓ Consistency
 - ✓ Correct calculations
 - ✓ Correct units
 - ✓ Complete documentation
- QA to review adherence to 2006 IPCC GLs
- Approval: QC Manager
- **Chapter writing; CRT**

Questions:

Step-by-step example: Step 4a – Chapter drafting



Step-by-step example: Step 4b – CRT tables loading



- Lime production

Category/ group of categories:

Requirements:

- Adherence to the CRT format
- Copy data into Excel for storage, future references & analyses
- Data quality & units checks
- Documentation
 - ✓ CRT tables for the category complete
 - ✓ Totals are done in Gg per gas and Gg CO₂-e
 - ✓ All occurring categories are included
 - ✓ CRT tables are consistent with the chapter
 - ✓ Tables Approved

- Responsibility: DoCC
- Emissions calculations complete & documentation complete
- DoCC is responsible for QC:
 - ✓ No blank cells
 - ✓ NKs are correct and justified
 - ✓ Consistency with emissions calculations
 - ✓ Correct format
 - ✓ Correct units
 - ✓ Correct and consistent totals
 - ✓ All occurring categories included
- Approval: IPPU compiler and NIC, team manager
- **UNFCCC submission**

Questions:

Thank you!
Questions?