### Institutionalizing data management system

# Australian Greenhouse Gas Emissions Information System (AGEIS)

Transparency Information Session 24 August 2021



# **National Inventory System Design**

Compliance with international reporting obligations

Information for policy makers

Policy efficiency – supporting domestic abatement programs

Efficient national inventory compilation and data management

Building confidence of users – both international and domestic



# What is AGEIS?

# Australian Greenhouse Emissions Information System

- Emission estimation and inventory compilation
- Online query database of emissions data
- Quality control system
- Data management system
- Integrated documentation & archive system
- Report production, population and link to UNFCCC reporting software



# Why build AGEIS?

#### Increasing inventory complexity



Data, sources and methods

Reporting requirements, sector expertise

#### Increasing risks

Transparency

Accuracy

Consistency

Completeness

Comparability

No centralised data and document archiving

No centralised QC and verification

Large range of calculation spreadsheets

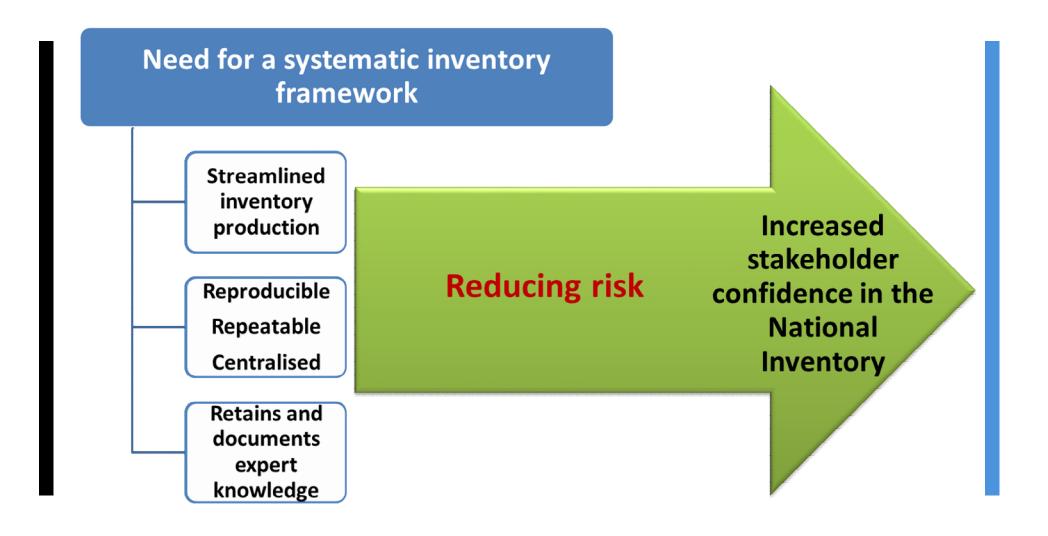
Manual cut & paste into UNFCCC reporting software

Difficult to maintain recalculations

Staff turnover pexpertise loss



#### AGEIS – Risk mitigation and confidence building

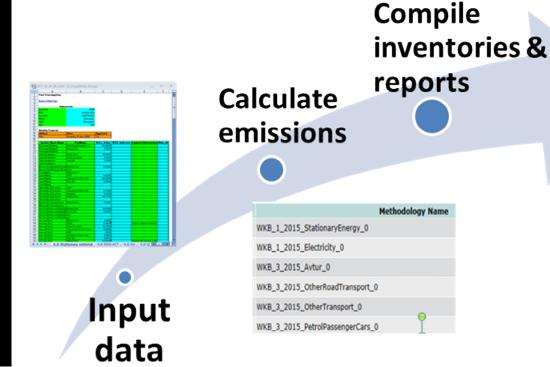




#### **AGEIS** UNFCCC ABS Verification QA/QC Reporting KP Reporting **ABARES Emission Estimation** Data Import Reporting National Policy **NGERS** Support State Policy FullCAM Support Public Data Storage Archiving CONSULTANTS Information



#### **Emission Estimation and Inventory Compilation**



Australian National
Greenhouse
Accounts



**KP & UNFCCC** reporting



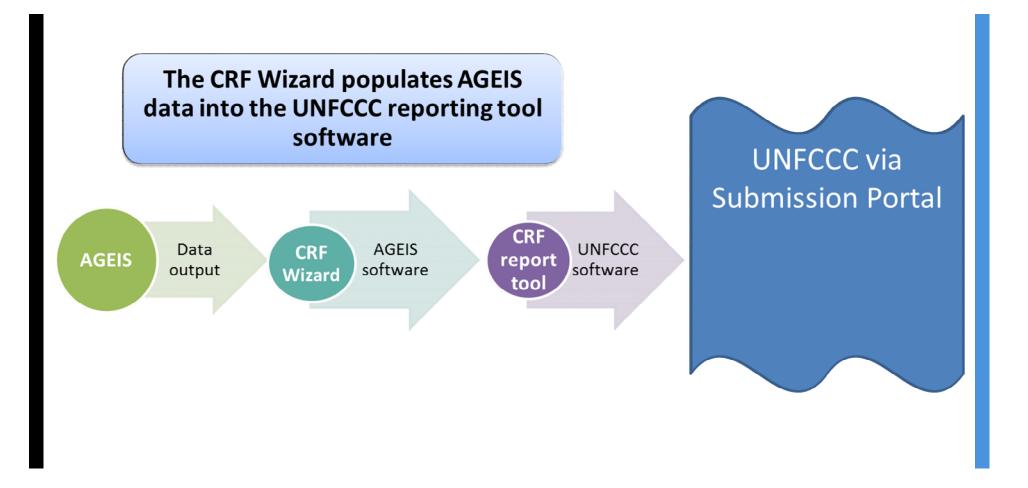
State & Territory Reporting



Economic Sector Reporting



# Linking to UNFCCC reporting software





# **Benefits and Challenges**

#### Benefits

- Efficient inventory compilation
- Improved inventory quality
- Stores knowledge and expertise
- Meets international reporting requirements
- Improved data accessibility

# Challenges

- Ongoing investment needed in capital and maintenance
- Inventory methods are continuously improving



# Thank you

