



Australian Government

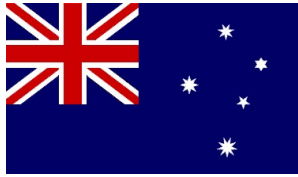
Department of the Environment and Energy

The story of TGEIS

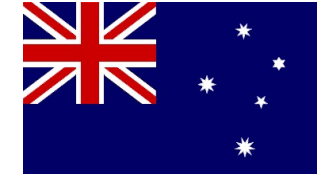
Rob Sturgiss

TGEIS Launch – July 2018





Australian Greenhouse Emissions Information System



<http://ageis.climatechange.gov.au/>

HOME AUSTRALIAN GREENHOUSE EMISSIONS INFORMATION SYSTEM

Home

INVENTORY CYCLE

- Prepare Inventory
- Data Entry Template
- Estimation
- Reports
- Work Flow
- QA/QC
- Status

QUERY

- All Emissions
- Emissions
- Gases Emissions
- Indirect Emissions From Purchased Electricity
- National Greenhouse Gas Inventory Trend
- State Greenhouse Gas Inventory
- Implied Emission Factors
- International IEP Comparison
- NGEM Emission Factor Comparison
- Verification
- Principal Source Documents
- Search AGEIS

SYSTEM OVERVIEW

- System Overview

National Greenhouse Gas Inventory Trend

Submission Year: 2018
Location: AUSTRALIA

Sector: National Inventory Total (excluding LULUCF) - Agriculture
Gas: Carbon Dioxide Equivalent

AUSTRALIA: Agriculture, Carbon Dioxide Equivalent, Gigagrams

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Sector	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Agricultural Soils	11,601.18	11,262.56	11,212.38	10,797.89	11,168.56	11,128.13	11,484.61	11,950.89	11,993.20	12,401.11	12,938.83	12,853.83	12,775.03	11,540.11	12,821.81	12,837.07
Enteric Fermentation	54,625.62	54,224.42	51,932.03	59,868.77	59,387.88	57,233.41	58,189.55	58,420.37	58,194.53	57,743.57	59,895.83	58,522.66	58,140.33	55,352.01	56,758.26	57,381.36
Field Burning of Agricultural Residues	430.88	425.04	398.04	475.96	545.00	314.81	484.04	587.48	530.12	575.76	510.88	515.63	531.64	248.80	513.37	338.24
Liming	215.35	260.28	318.77	382.83	487.77	439.54	385.99	485.72	585.83	720.58	738.22	781.89	1,021.29	1,050.19	1,079.51	1,076.18
Manure Management	2,489.91	2,435.34	2,501.48	2,551.76	2,860.37	2,833.90	2,589.89	2,617.16	2,815.60	2,828.31	2,940.42	3,148.88	3,311.96	3,160.11	3,105.53	3,654.48
Rice Cultivation	395.90	320.15	429.35	424.48	457.78	446.20	517.59	575.00	489.44	492.89	434.27	586.24	479.23	152.09	221.14	171.44
Urea Application	386.67	374.64	373.04	384.20	381.01	479.88	559.57	667.97	742.90	792.32	962.90	1,066.98	909.12	875.73	955.68	887.27
Total	80,026.48	79,292.43	77,161.09	74,905.90	75,088.38	72,675.85	74,191.23	75,304.56	75,351.62	75,554.54	78,419.32	77,245.89	77,168.60	72,378.84	75,285.18	76,126.03

National Greenhouse Gas Inventory Trend By Subsector

Carbon Dioxide Equivalent emissions (Gg) for AUSTRALIA from Agriculture by subsector, 1990-2005.

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As the Kyoto Protocol accounting rules that apply to the estimation of emissions and removals from LULUCF activities differs between the initial assigned amount calculation and the commitment period it is not possible to report a consistent time-series. Estimates for the National Greenhouse Gas Inventory Total - including LULUCF and the LULUCF sector are only available for 1990 and 2005 onwards. The LULUCF estimates reported here represent the initial assigned amount calculation (1990) and the commitment period (2008-2012) accounting quantities.



**Australian
Aid** 



**United Nations
Climate Change**

Formal TGEIS cooperation: Signing of Memorandum of Understanding (MoU)

June 2016 – Canberra, Australia





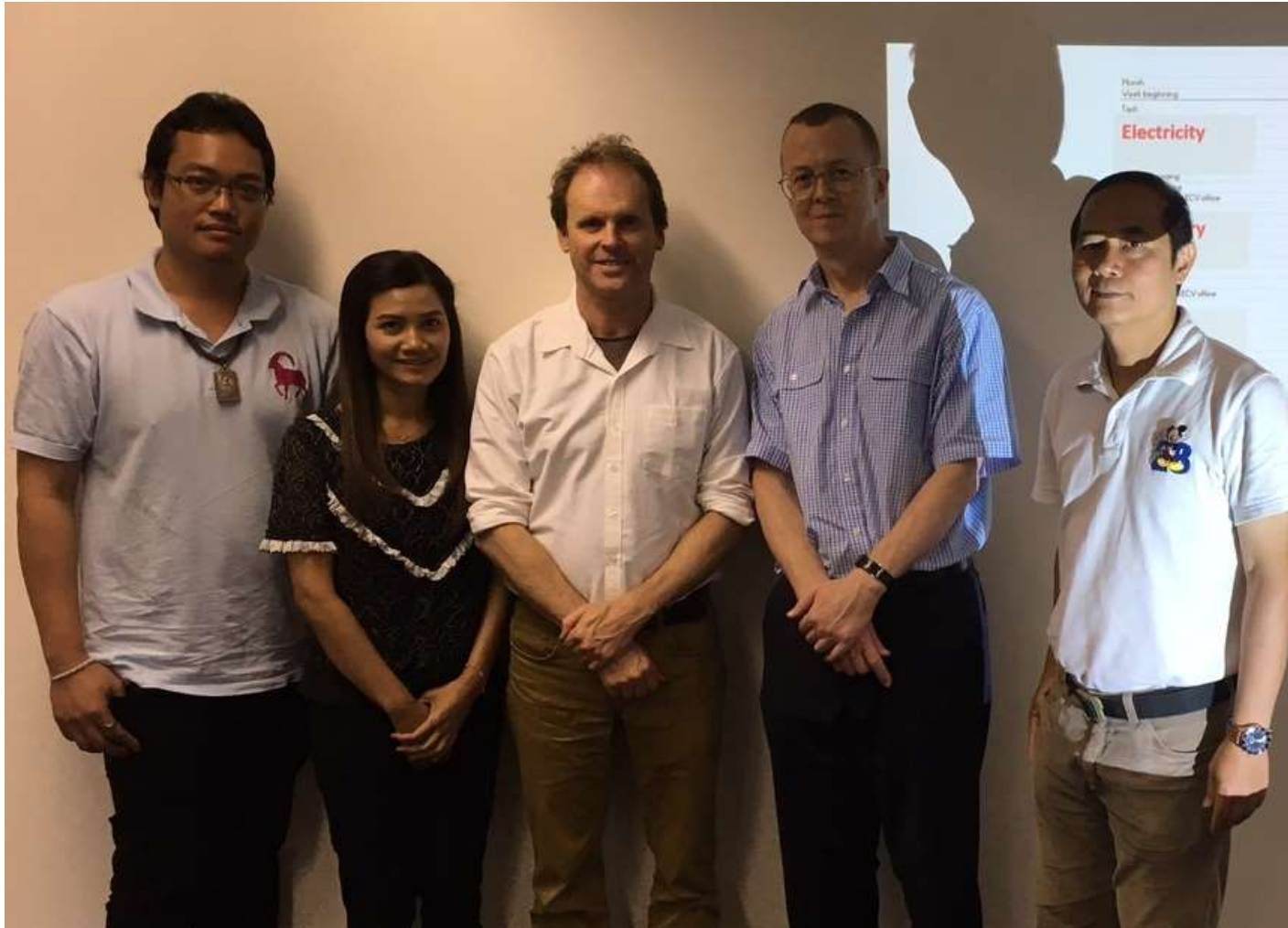
**Project Inception Workshop
June 2016 – Canberra, Australia**



June 2016 – Canberra, Australia

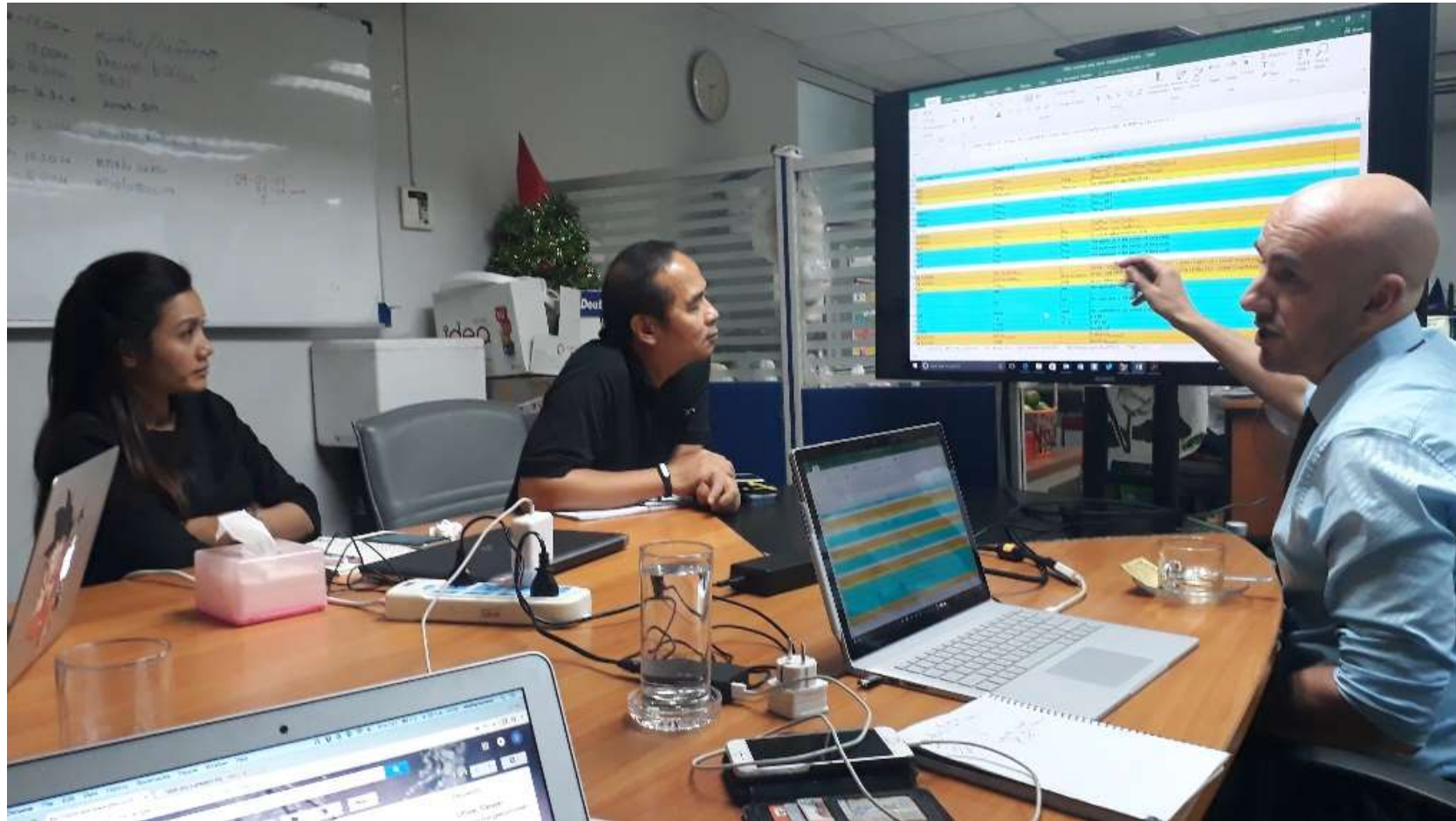


June 2016 – Canberra, Australia



Coder Training

October-December 2016 – Sydney, Australia



September 2017 – Bangkok, Thailand



June 2017 – Bangkok, Thailand



June 2017 – Bangkok, Thailand



March 2017 – Bangkok, Thailand

EC&V: Scoping Study & Database Requirements

2014 & 2015

2014

Thailand National
Greenhouse Gas
Inventory Support
System – Scoping Study

SON 134341
EC&V PTY LTD

2014

Thailand Database
Requirements

REQUIREMENTS



The screenshot shows the EC&V website homepage. At the top left is the logo for Environmental Computing & Visualisation (EC&V), featuring the letters 'EC' above 'ENVIRONMENTAL COMPUTING & VISUALISATION' and 'V' below. To the right of the logo is a yellow banner with the text 'Environmental Computing & Visualisation'. Below the banner is a navigation menu with links for Home, Services, Projects, People, Downloads, and Blog. A central banner features the text '..We Develop Software' over a background of glowing blue and orange lines. Below this is a text box describing EC&V Pty Ltd as a Sydney-based Australian company that builds and maintains quality software. It lists services such as Business, User, Functional and Service Quality Requirement Analysis, System Analysis and Architecture Design, Implementation, Testing, and Maintenance. To the right of the text box is a contact information section with the text 'We're at:' followed by the address: Suite 103, Level 1, 276 Pitt Street, Sydney, NSW 2000, Australia. Below the address is a 'Find us on map' button with a globe icon. At the bottom right, contact numbers are provided: ph: +61 2 9267 4676 and fax: +61 2 9261 0014.

EC
ENVIRONMENTAL COMPUTING & VISUALISATION
V

**Environmental Computing
& Visualisation**

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*..We Develop
Software*

EC&V Pty Ltd is a Sydney-based Australian company that builds and maintains quality software to the client's specifications, in the areas of natural science and biosecurity. [More ...](#)

We provide a range of development services covering the whole lifecycle of software development and maintenance, including:

- Business, User, Functional and Service Quality Requirement Analysis
- System Analysis and Architecture Design
- Implementation
- Testing
- Maintenance [More ...](#)

Our team collectively bring their expertise in information technology (web, database, GIS) and natural sciences (greenhouse gas accounting, meteorology, and livestock traceability) to our projects. [More ...](#)

We're at:
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