

GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Livestock Research Group meeting

10-12 April 2017



**BRINGING IT BACK
TOGETHER:
the LRG in 2017/18**

Meeting outcomes

- **Network leadership**
- **Capability building**
- **Enteric Fermentation Flagship**
- **Contribution to the other Flagships – inventory, soil carbon**
- **IPCC**
- **Your views on our meetings**
- **LRG meeting - 2018**

Network leadership

- Animal Health Network: explore options for new leadership
- Grasslands Network: support from the LRG
- Latin America & Caribbean Platform on Sustainable Livestock Intensification: promising initiative
- Manure Management Network

What have we achieved?

Coordination: Netherlands (Theun Vellinga) and Vietnam (La Van Khin)

- 2012-2014 GASL Action: Waste to Worth
- 2013-2014 SE Asia Capability development Workshops by New Zealand
- 2015-2016 CCAC: Manure Kiosk

Coordination: France (Jonathan Levin)

- MMN action plan from 2015 meeting (Reading) & 2016 meeting (Melbourne)
- 2017 ERA-GAS proposal

Manure Management Network (2)

First steps to continue the MMN

- Hongmin Dong will consult MoA of China whether she can take up coordination of the network
- USA (April Leytem) and NL (Julio Mosquera Losada) will support as co-coordinator.
- Martin Scholten will provide back up from the co-chair team.
- The list of key members will be updated and informed

Manure Management Network (3)

Next steps to continue the MMN

The core team (China, USA, NL) will draft a new ToR; including: networking, overview (information base), review papers, contribution to GRA Flagships, proposals to relevant calls, capacity building workshops

A meeting with the active MMN members will be arranged at a proper occasion or by teleconference



Remains a critical area of effort for the LRG

Focus for 2017/18:

- Continue our current capability building efforts (incl. inventory and MRV efforts), responding to needs expressed by countries/regions
- Extend our work in supporting NAMA development – including their social acceptability, not just technical underpinnings



Enteric Fermentation Flagship

Refining the proposal

- Include a vision statement and value proposition
- Emphasise the microbiome
- Demonstrate how the flagship is responding to NDCs and country needs
- Include an evaluation matrix, refer to economics

Request to delegates:

- Provide feedback on the next draft, including completing a template for ideas
- Engage with your Council representatives to support this flagship – explain why it is important
- Engage domestically – help align your research priorities with the GRA where possible

Inventory and Soil Carbon Flagships

- Continued liaison between all Flagship Lead Authors to address overlap
- Get involved in the Inventory Taskforce as a contributing author alongside Marta (Chile) and Andres (Argentina)
- Explore the connections between the Enteric Fermentation Flagship's 2nd topic (quantification) and the Inventory Flagship
- Soil Carbon Flagship needs to link clearly to existing soil initiatives
- Grasslands Network needs to connect with the Soil Carbon Flagship

IPCC input

An iceberg floating in the ocean. The tip of the iceberg is visible above the waterline, while the much larger, more complex structure is submerged below the surface. The water is a deep blue, and the sky is a lighter blue with some clouds.

- **Nominate authors and expert reviewers**
- **PUBLISH, including reviews and perspectives**
- **Consider (and action) regional and targeted literature reviews, especially of non-English publications**
- **Communicate informally with IPCC lead authors**

DEADLINES!

Feedback

Please share your views on this meeting – help us ensure the LRG continues to deliver on your country's needs.

We will be sending a very short online survey in the next week...

Venue: LRG 2018?

Vietnam at Glance



POPULATION

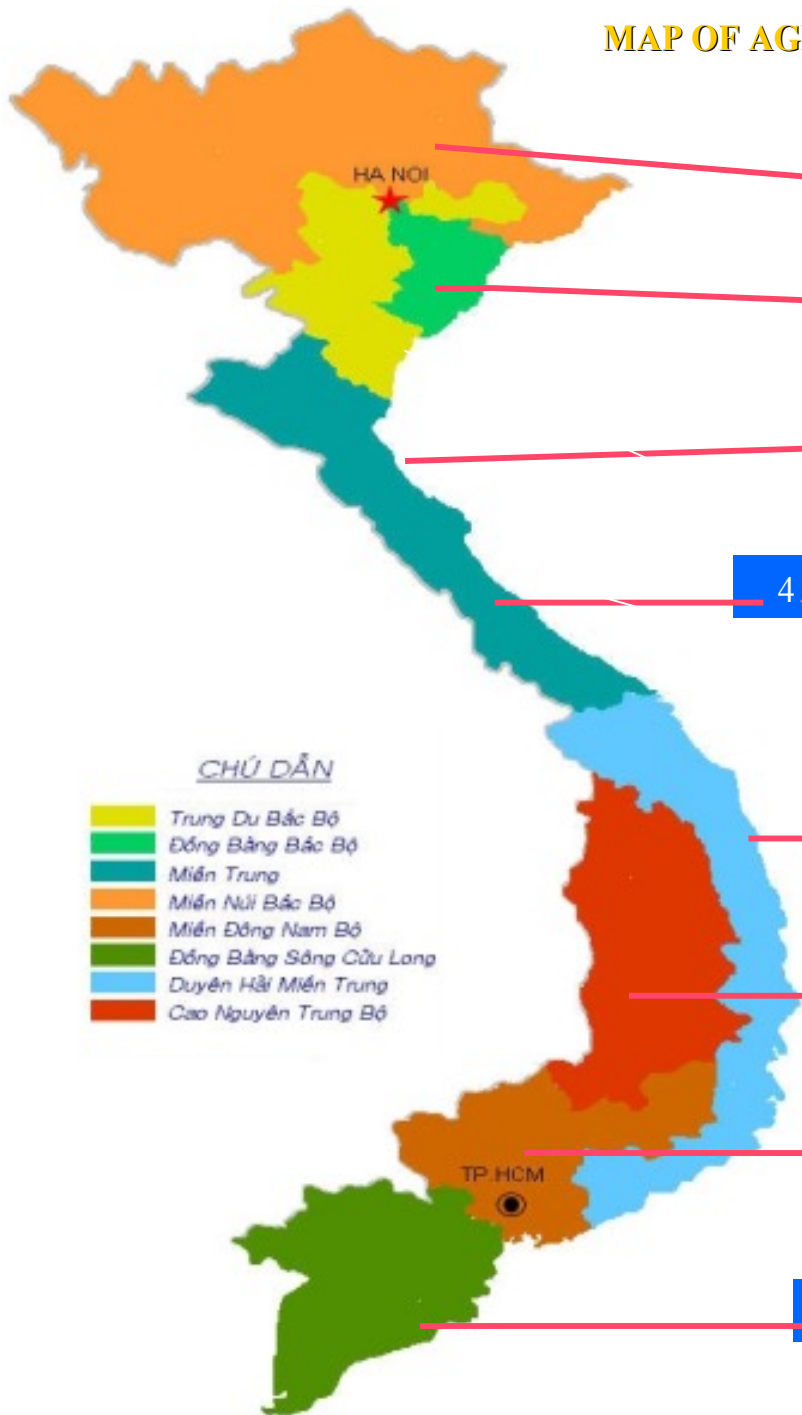
>90 million

Current rate growth 1.05 % (1M/year)

Arable land 9.2 M ha



MAP OF AGRO-ECOLOGICAL REGIONS OF VIETNAM



1. North mountain

2. Red river delta

3. North midland

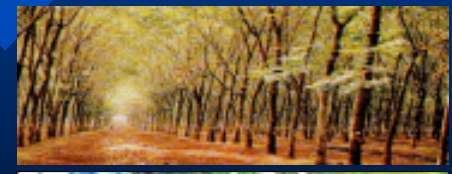
4. North central region

5. Central coastal region

6. Central highland

7. South-East region

8. Mekong river delta



Land use, 2016 (million ha)

Total	33.095	(100%)
- Agriculture land	26.3	79,4
- Non-agriculture land	3.8	11,3
- Unused land	3.0	9,3
Land use, 2016 (million ha)		
- Paddy rice land	4.1	64
- Pasture land	0.5	7
- Other annual crop land	1.9	29
Agriculture land/household	2,500 m ²	

GDP, 2016

Total:	100%
--------	------

Share in GDP:

- Agriculture, forestry and fishing	20
-------------------------------------	----

- Industry & construction	40
---------------------------	----

- Services	40
------------	----

Output value of agriculture, 2016

Total:	100%
--------	------

- Agriculture	75
---------------	----

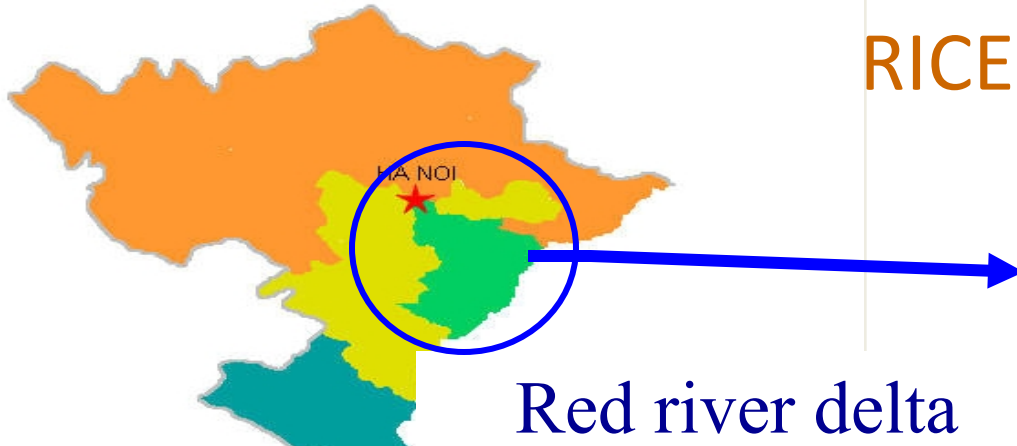
- Forestry	3
------------	---

- Aquaculture and Fishing	22
---------------------------	----

Agriculture export

Designation	Unit	2016	Billion USD
Rice	Mt	6.6	3
Coffee	Mt	1.32	2.7
Rubber	Mt	0.107	2.5
Tea	Mt	0.138	0.2
Cashew	Mt	2.57	1.6
Pepper	Mt	0.15	1
Fishery	USD billion		6.7
Forestry	USD billion		5.65

RICE PRODUCTION



> 50% production
> 90% rice for export

CHÚ DẪN

- Trung Du Bắc Bộ
- Đồng Bằng Bắc Bộ
- Miền Trung
- Miền Núi Bắc Bộ
- Miền Đông Nam Bộ
- Đồng Bằng Sông Cửu Long
- Duyên Hải Miền Trung
- Cao Nguyên Trung Bộ



Animal population

Species	$\times 10^6$
Pig	28
Buffalo	2.5
Cattle	5
Dairy cattle	0.2
Chicken	300
Duck	100
Animal feed	15 millions ton/year

Forestry in Hochiminh city



Floating market in Mekong River



Ngoc Khanh Lake – Ha noi



Tay Lake – Ha noi





Phong Nha National Park



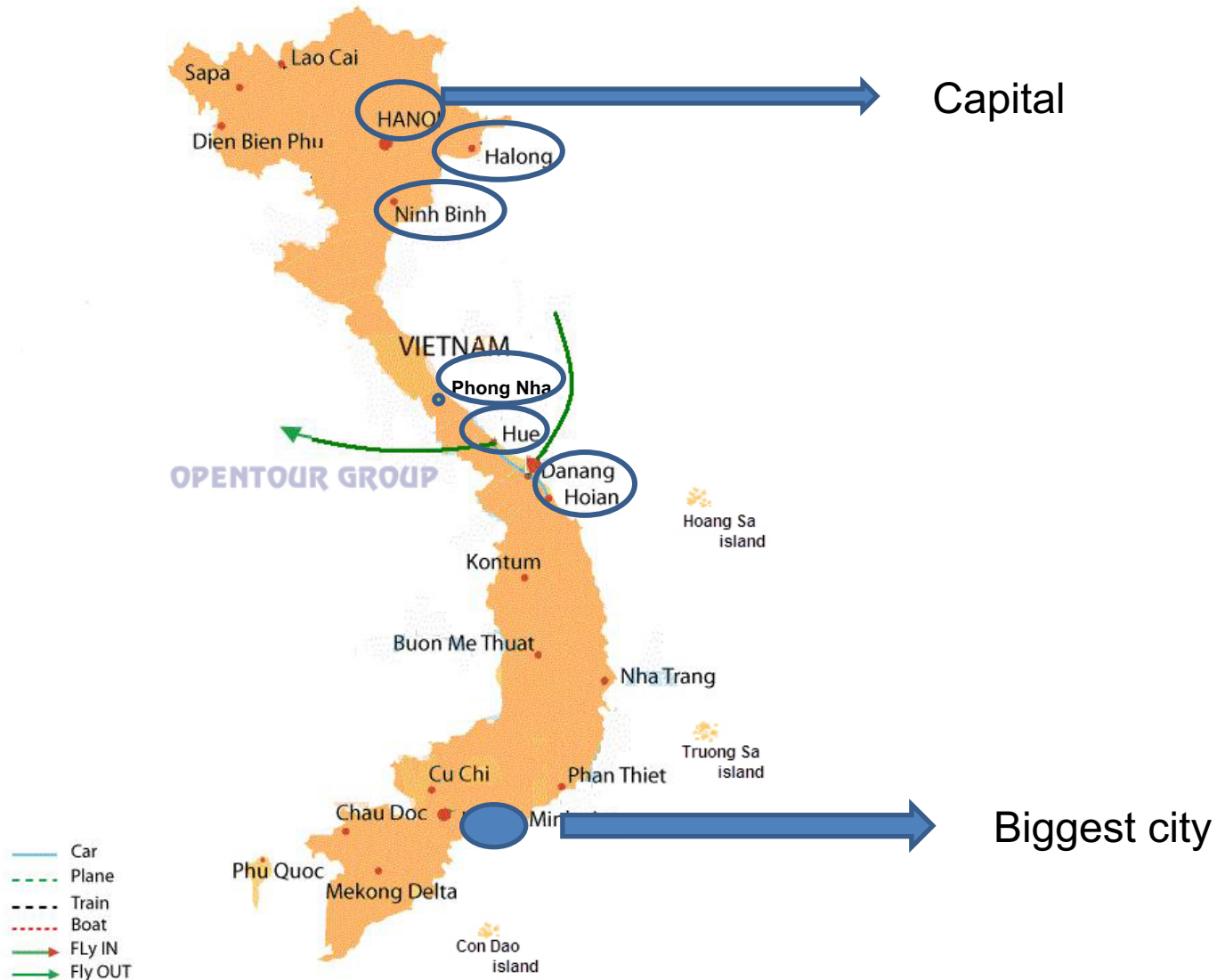
Hue – Imperial City



Danang



Vietnam tourism map





WELCOME TO VIETNAM