



6th INCO Conference

Joint Innovation – Common Prosperity

17 June 2015, Beijing

Ensuring sustainable collaborations amidst
rapidly changing regional and global
dynamics

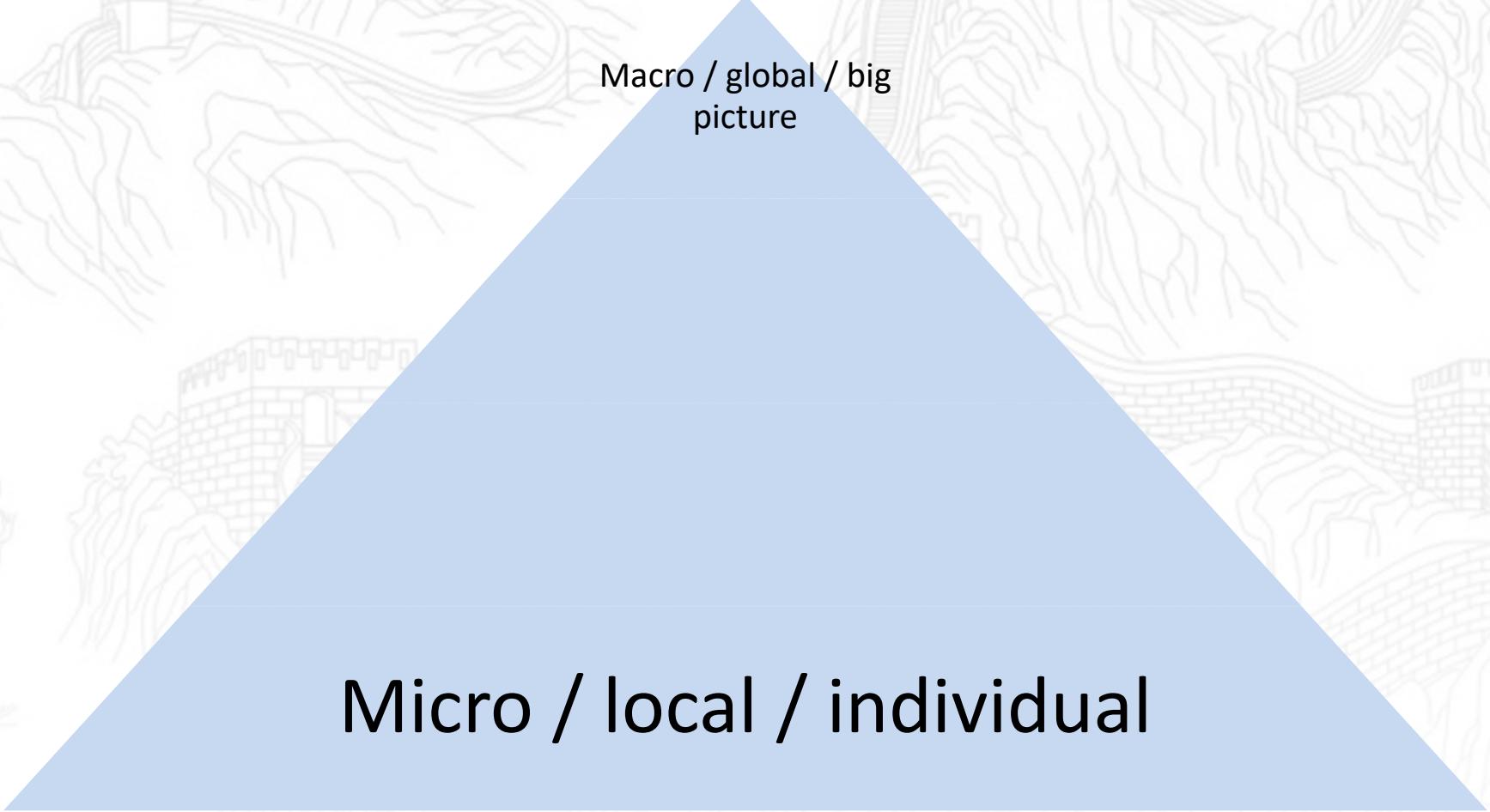
Dr Rado Faletić
Director, Projects & Communications
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“Planning” perspective

Macro / global / big picture

Micro / local / individual

“Development” resourcing



Macro / global / big
picture

Micro / local / individual

Ensuring “sustainability”?

Macro / global / big picture

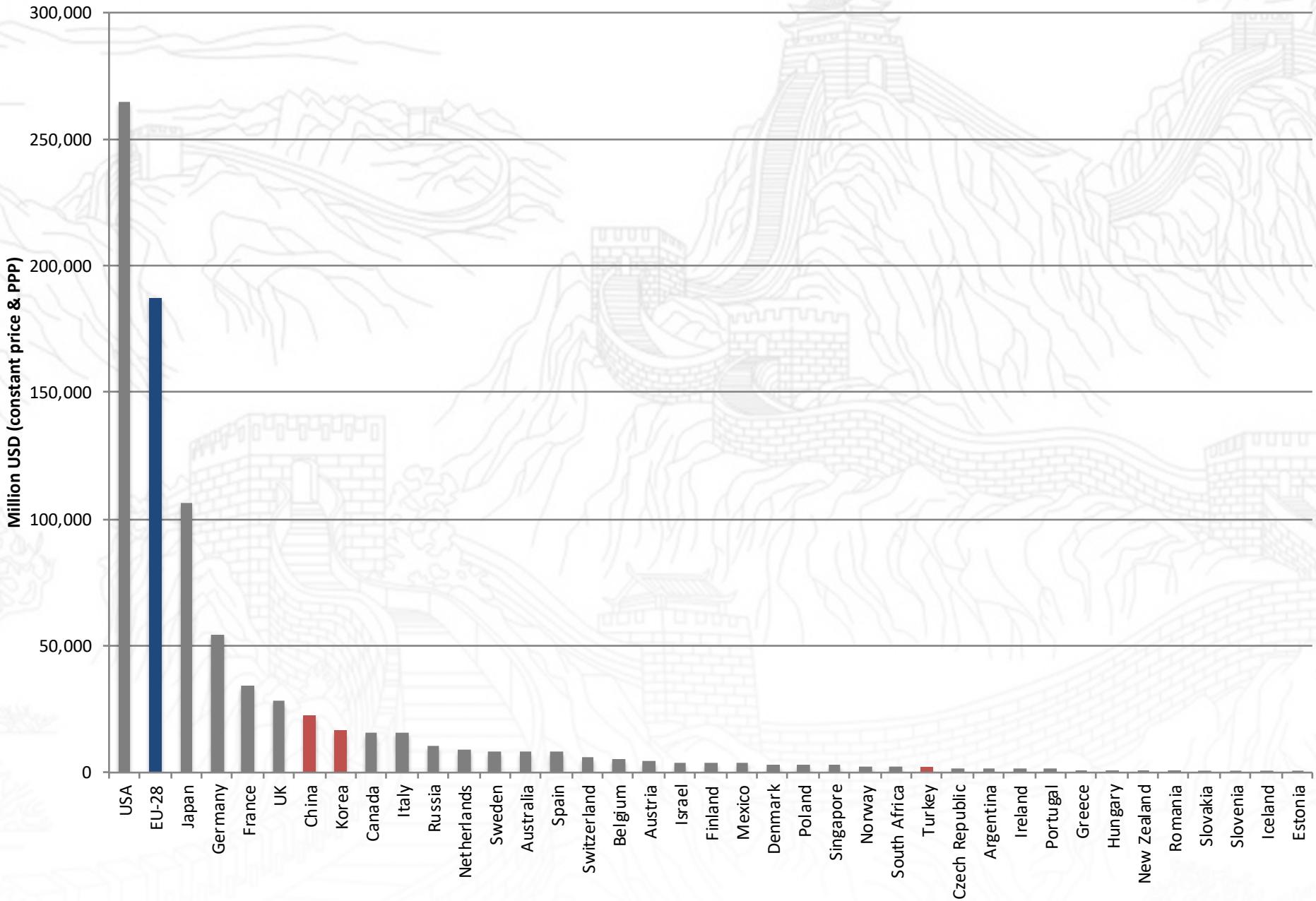
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Micro / local / individual

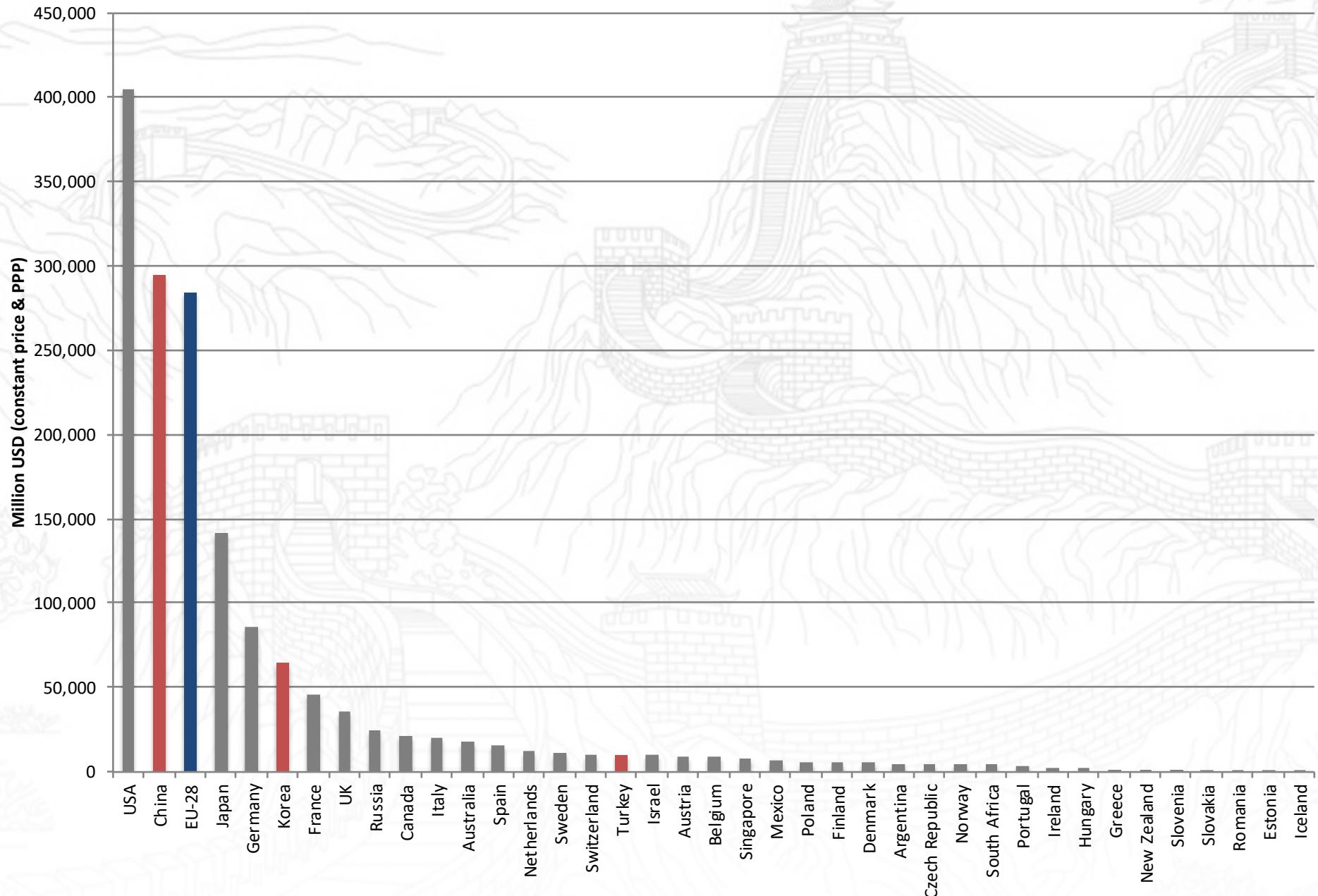
Let's look at GERD

- GERD: Gross domestic Expenditure on Research and experimental Development
- It is the “capital flows for R&D”
- General rule
 $\text{higher GERD/GDP} = \text{more innovation}$

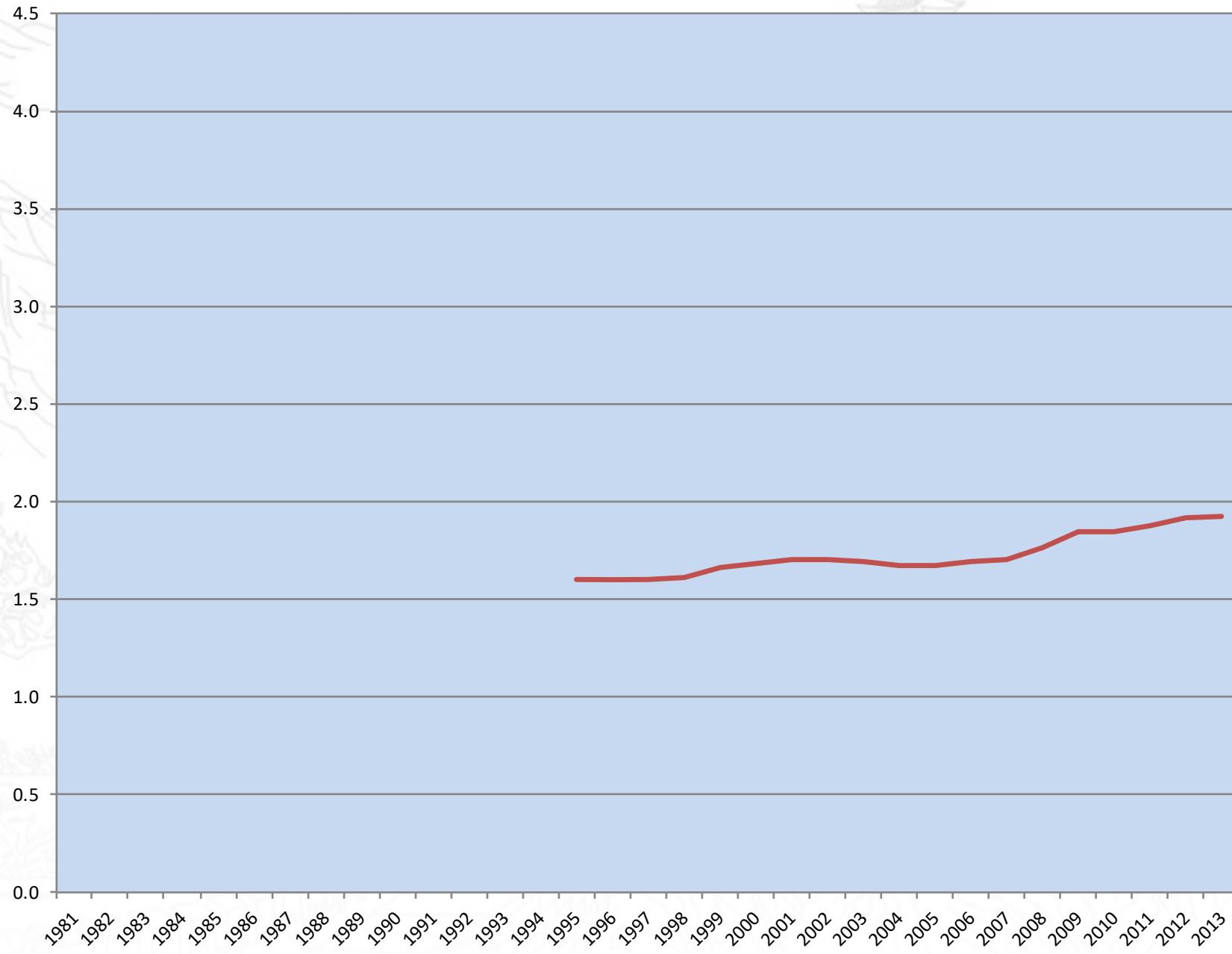
GERD 1998



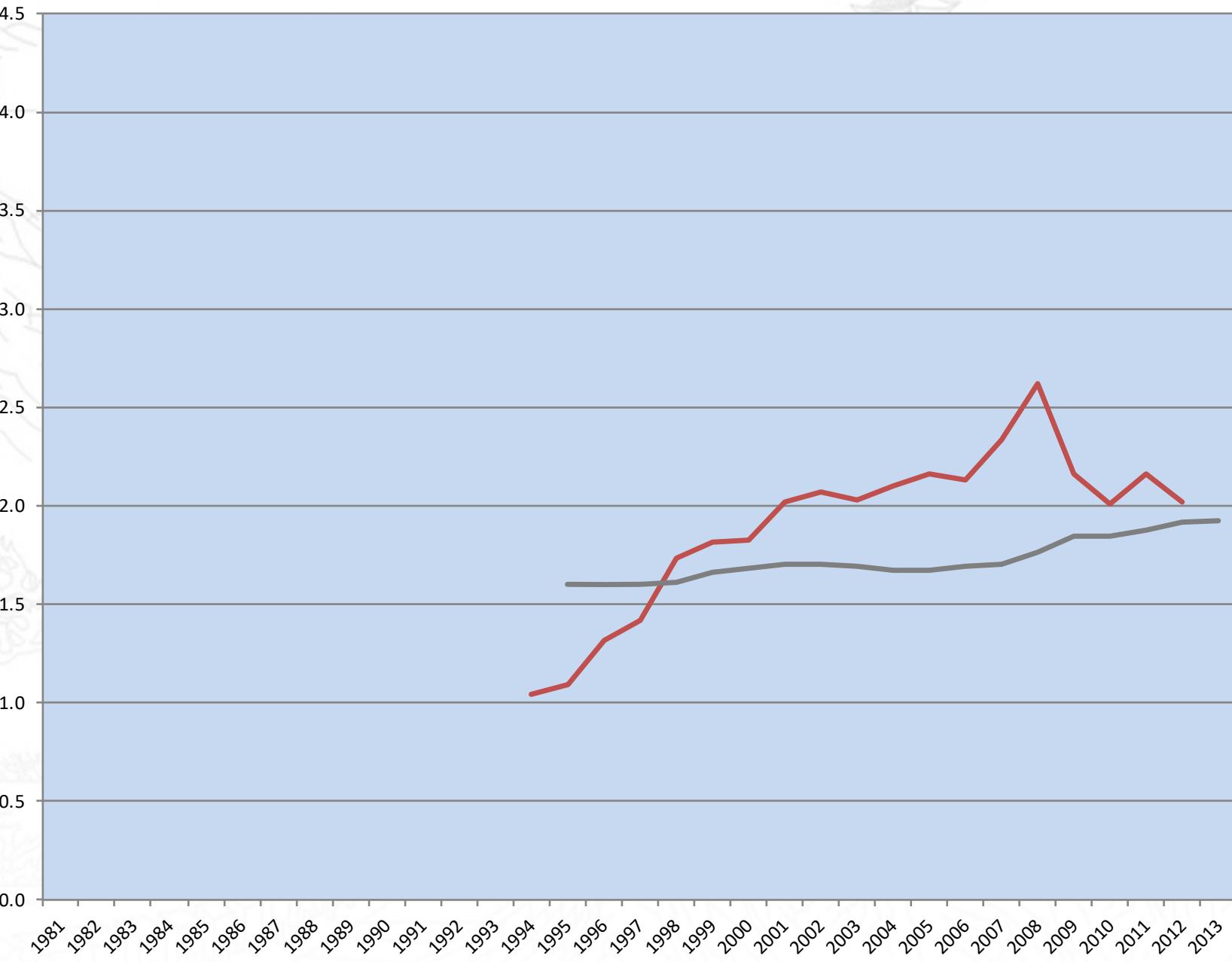
GERD 2013



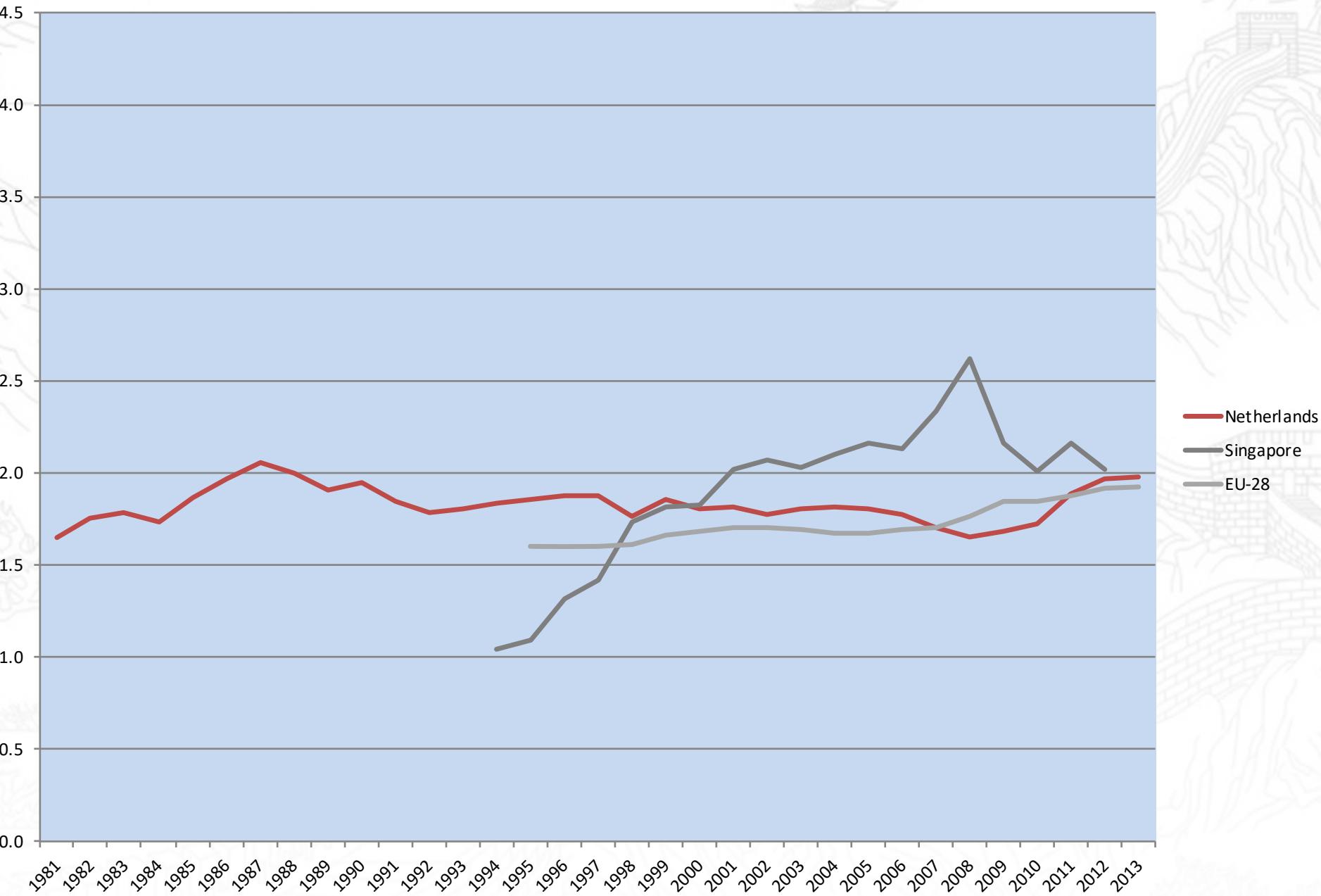
GERD as % of GDP



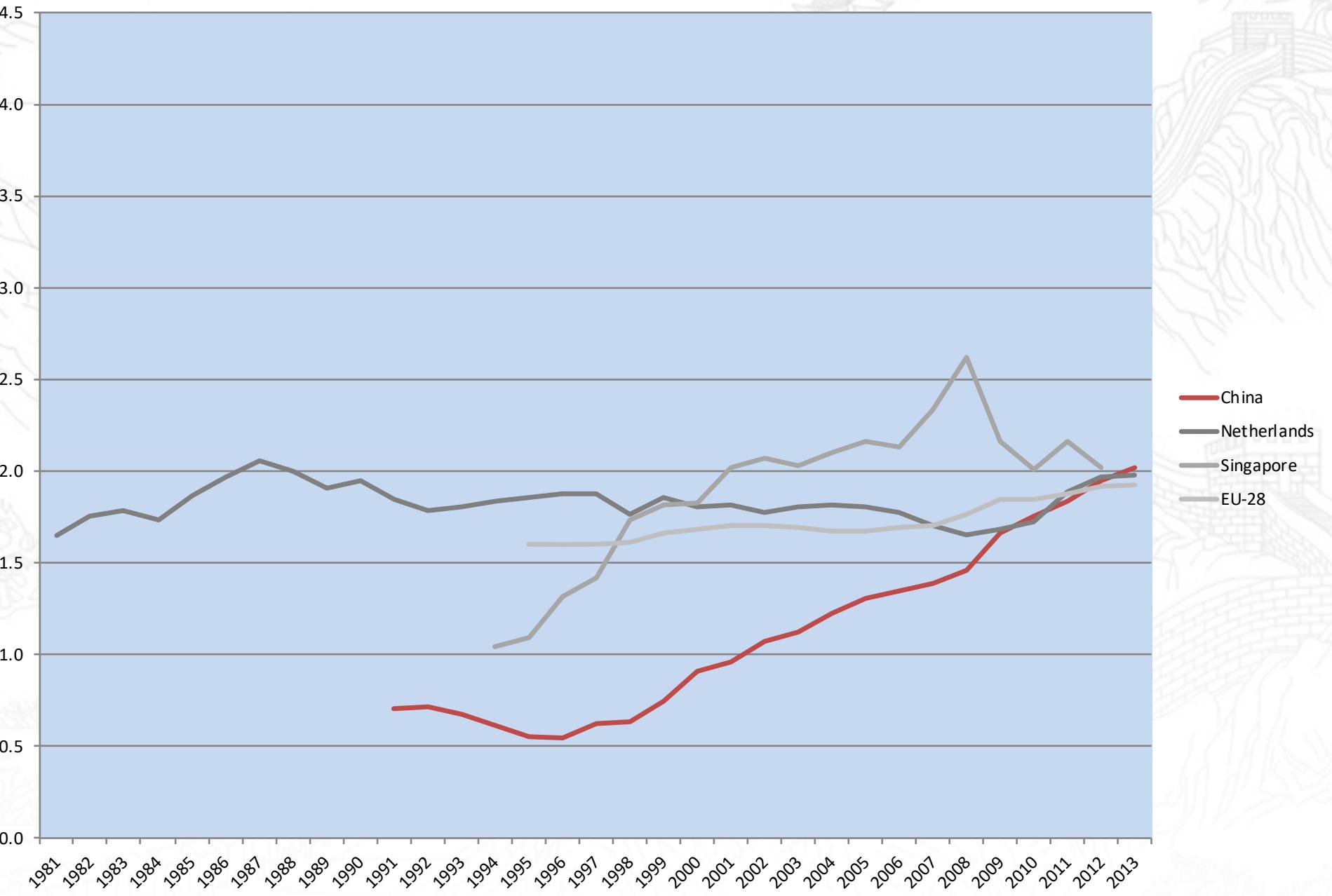
GERD as % of GDP



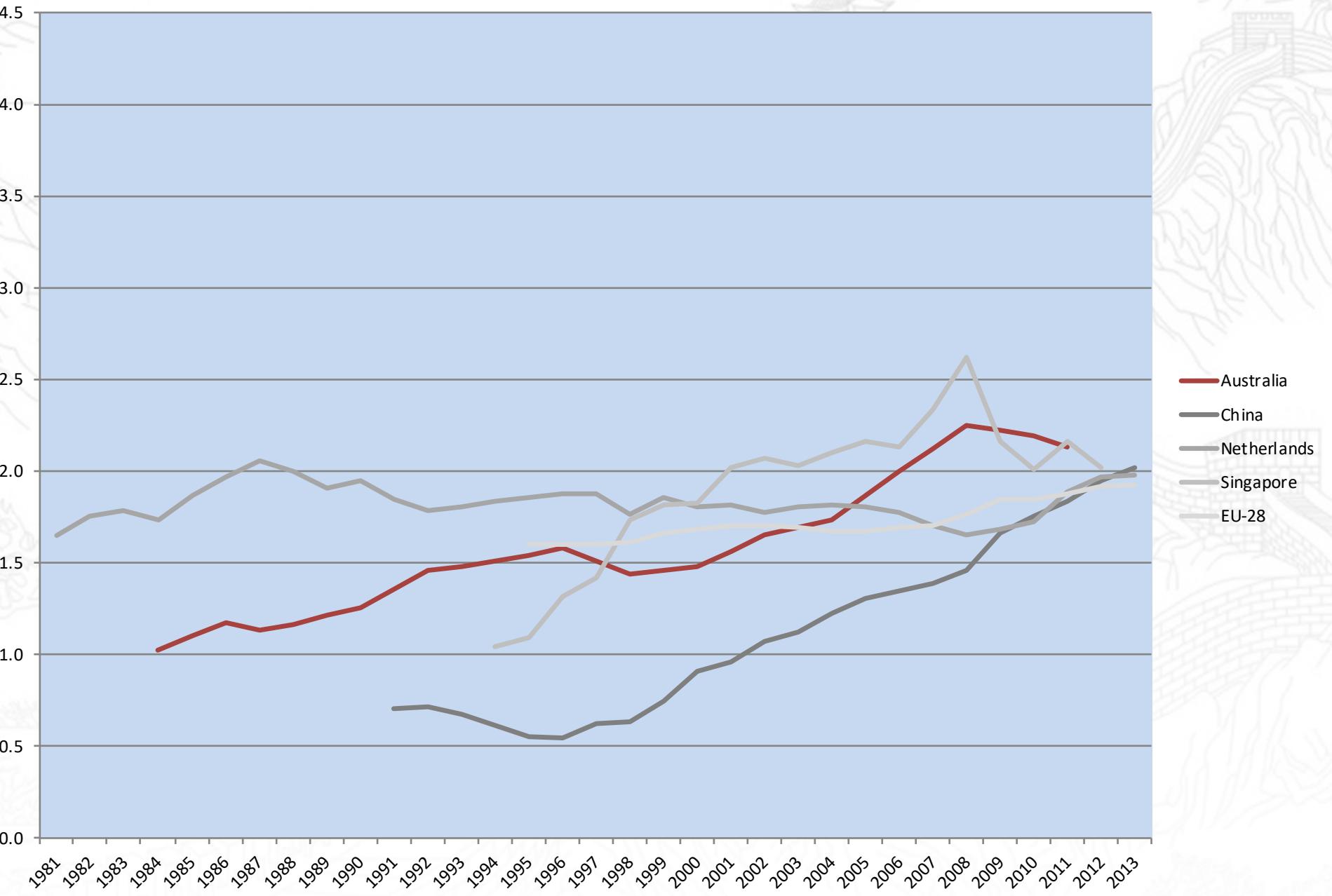
GERD as % of GDP



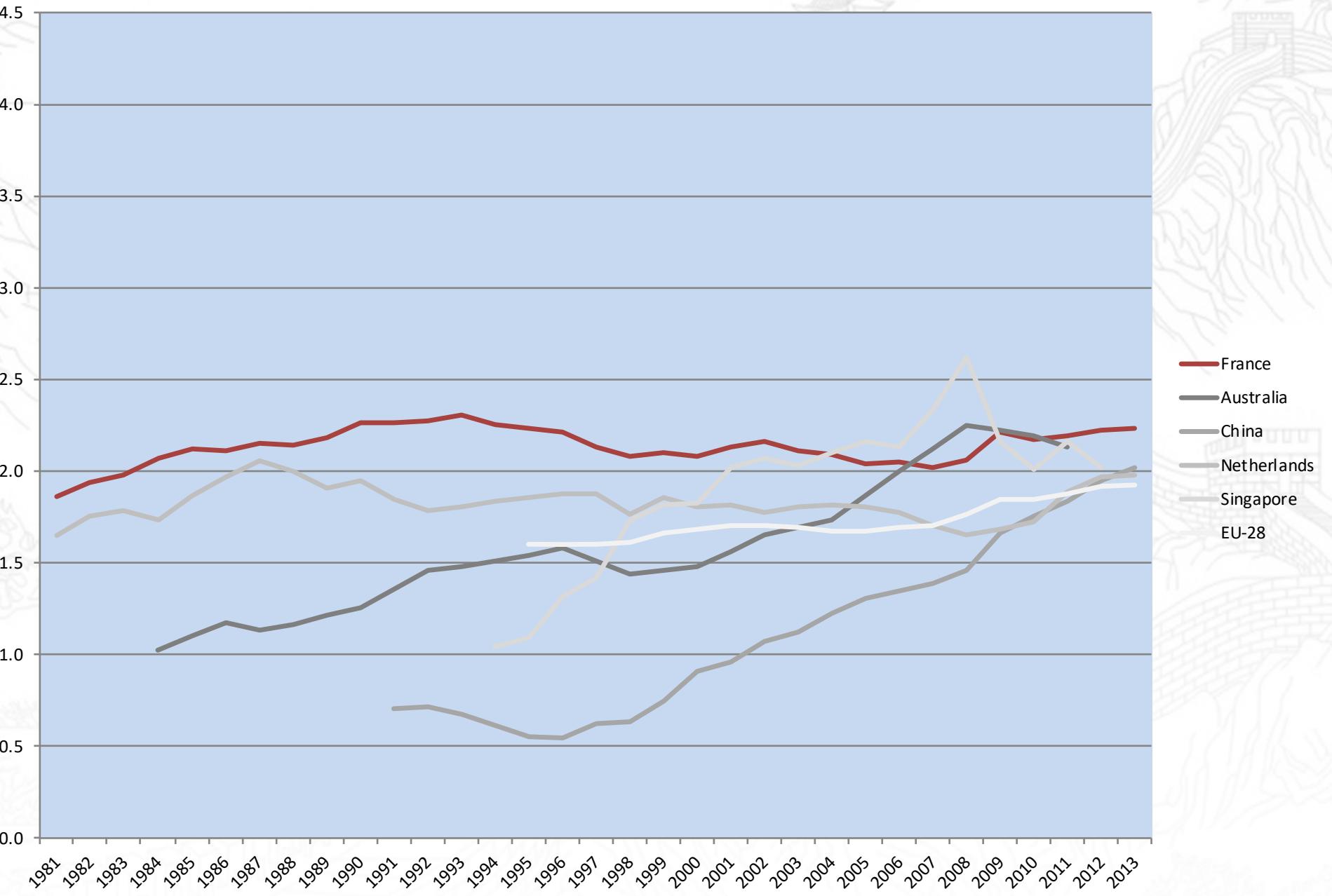
GERD as % of GDP



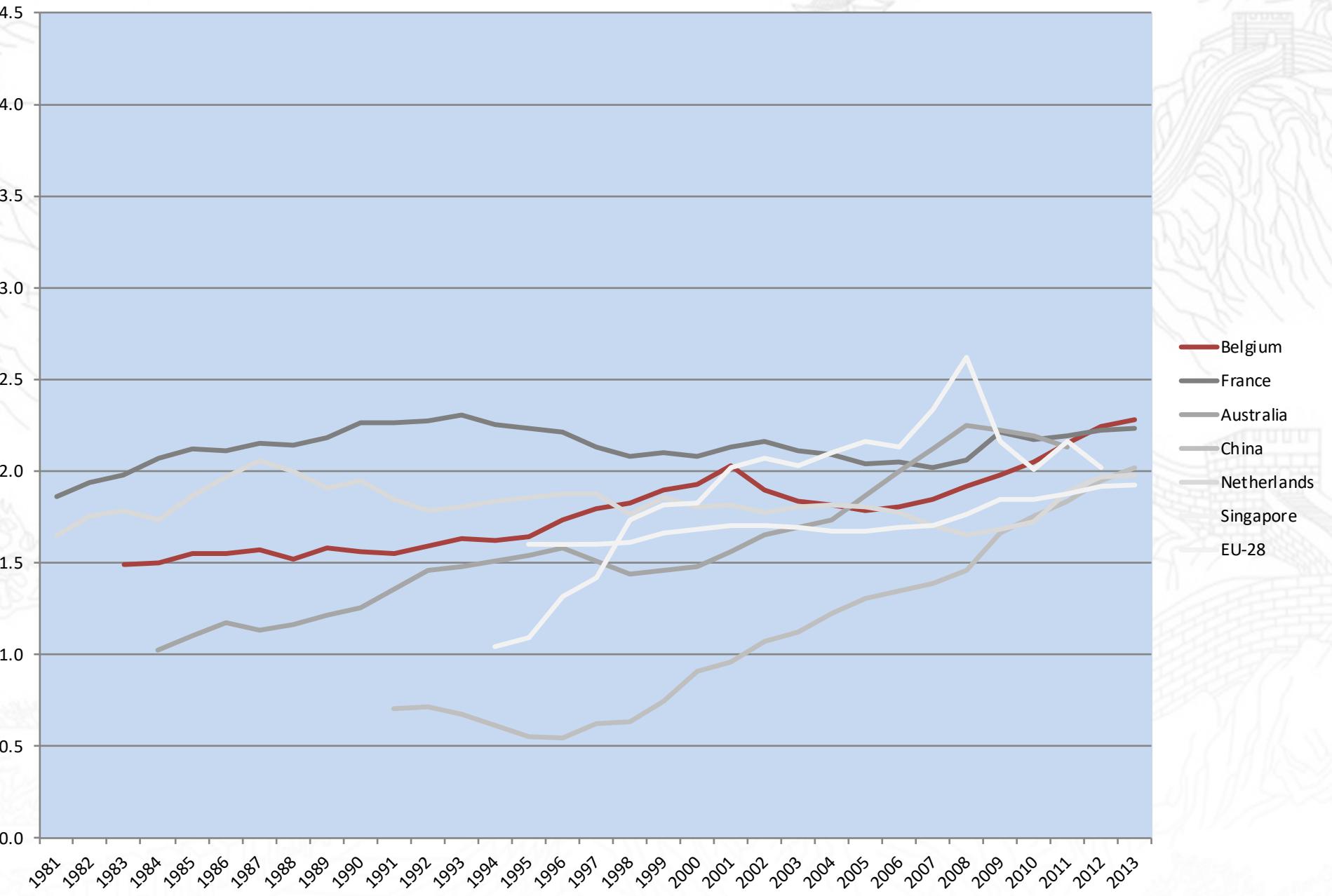
GERD as % of GDP



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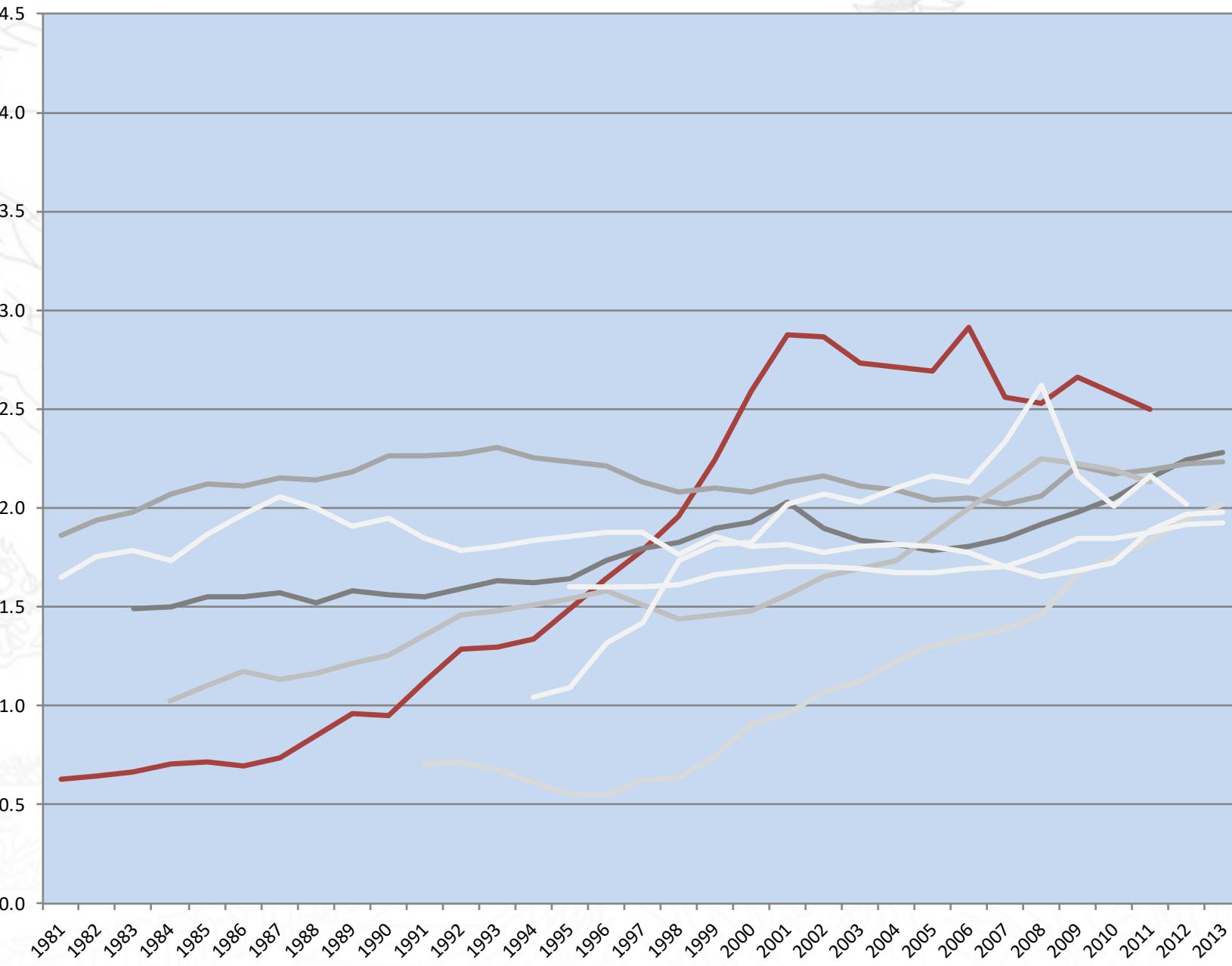


GERD as % of GDP

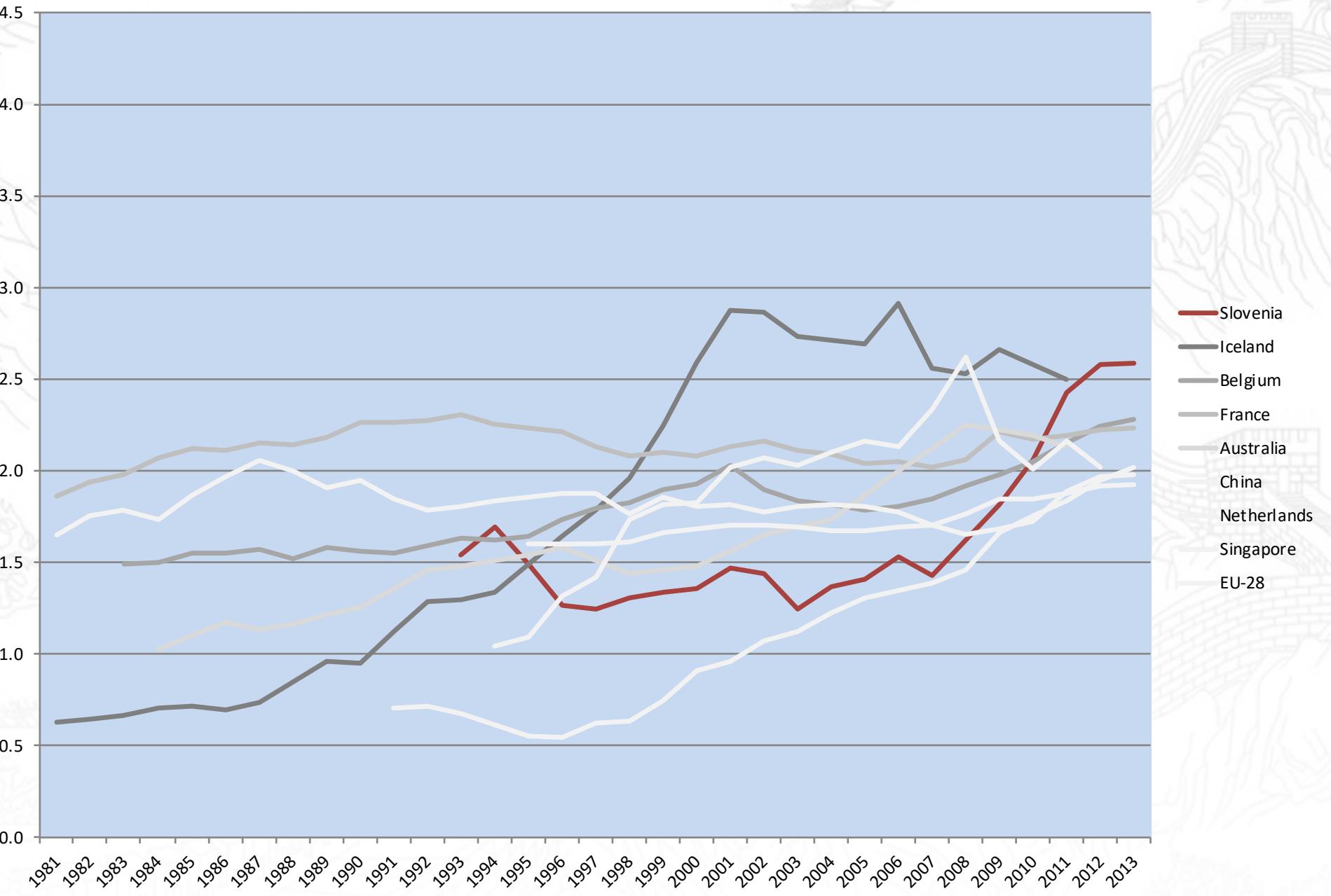




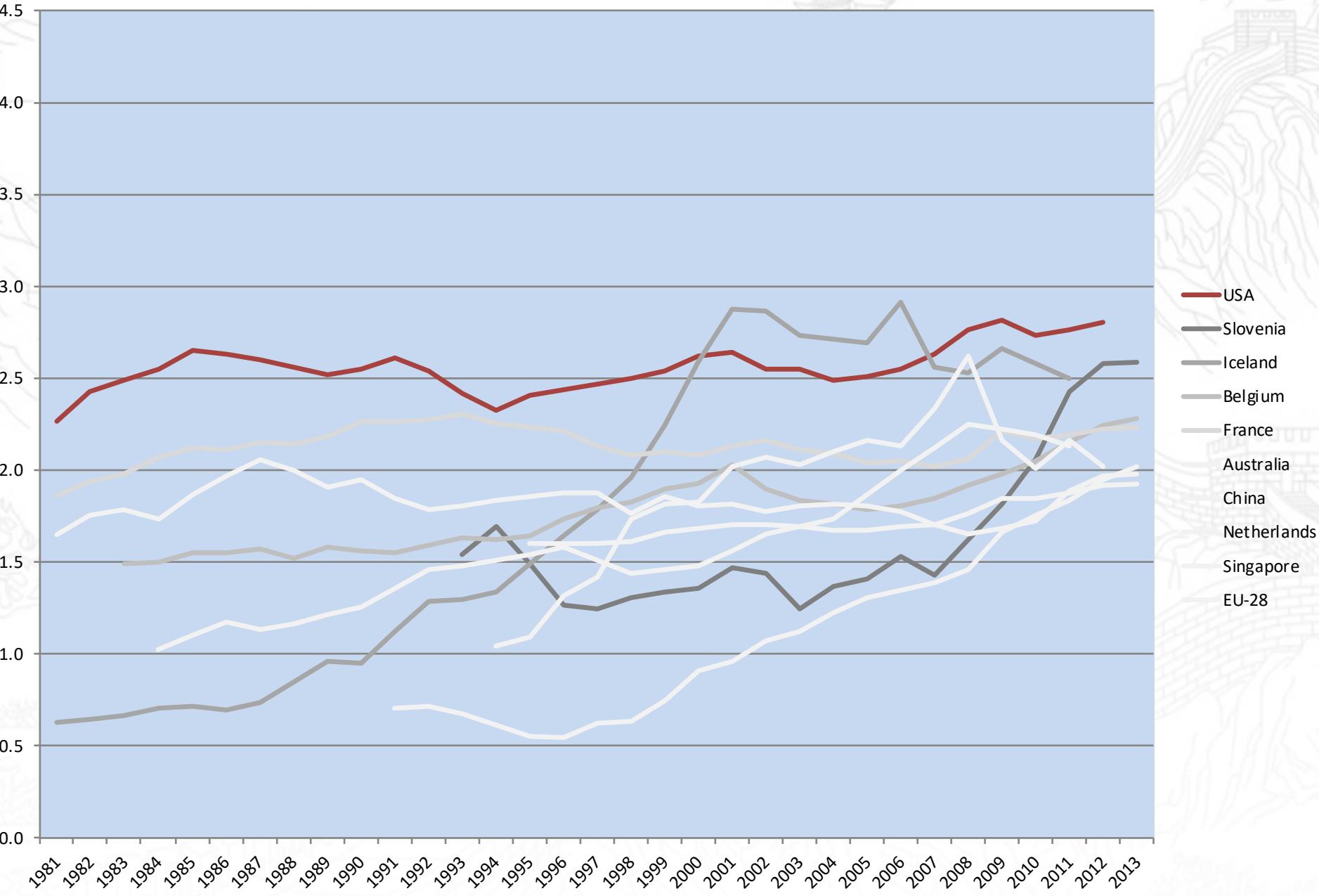
GERD as % of GDP



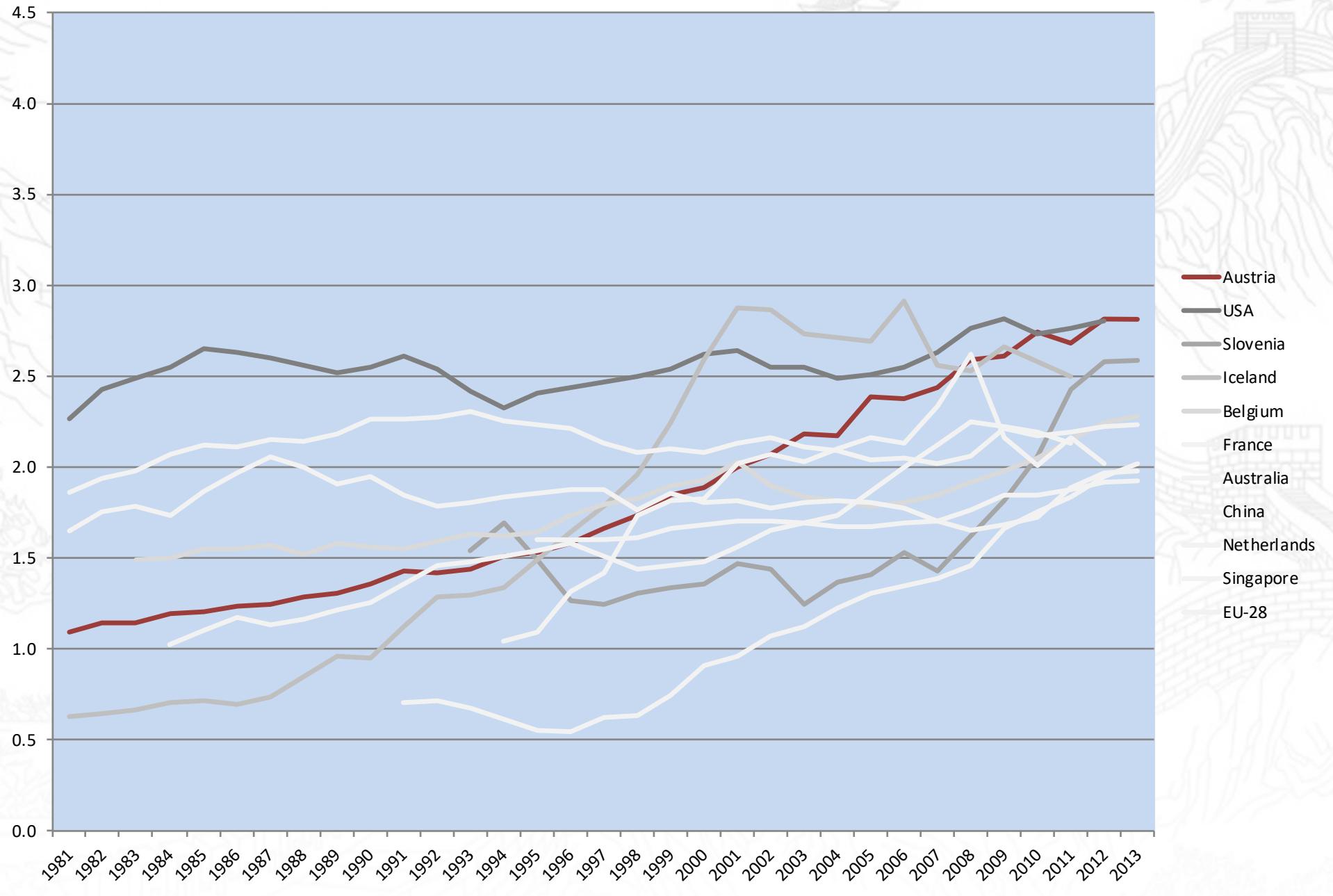
GERD as % of GDP



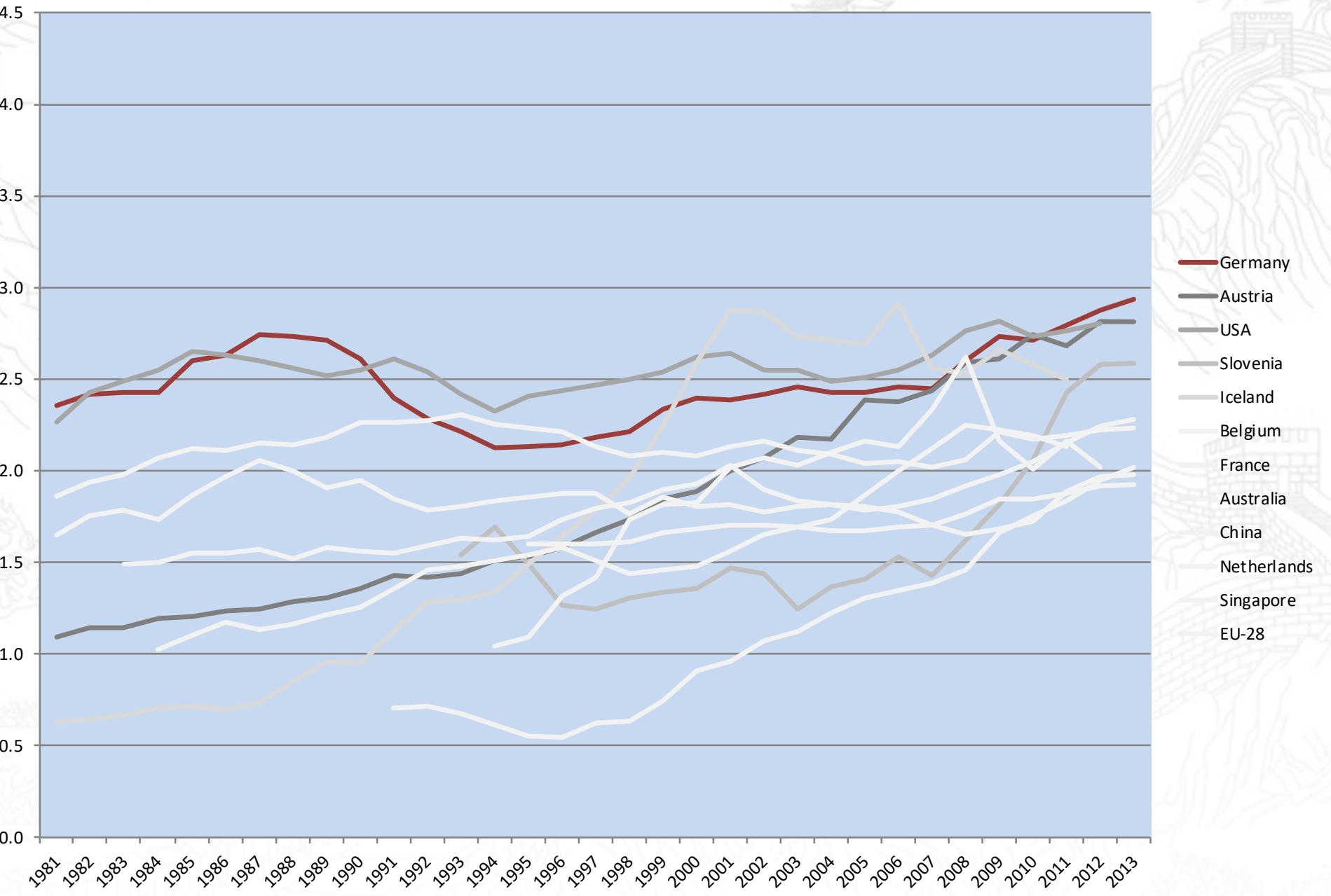
GERD as % of GDP



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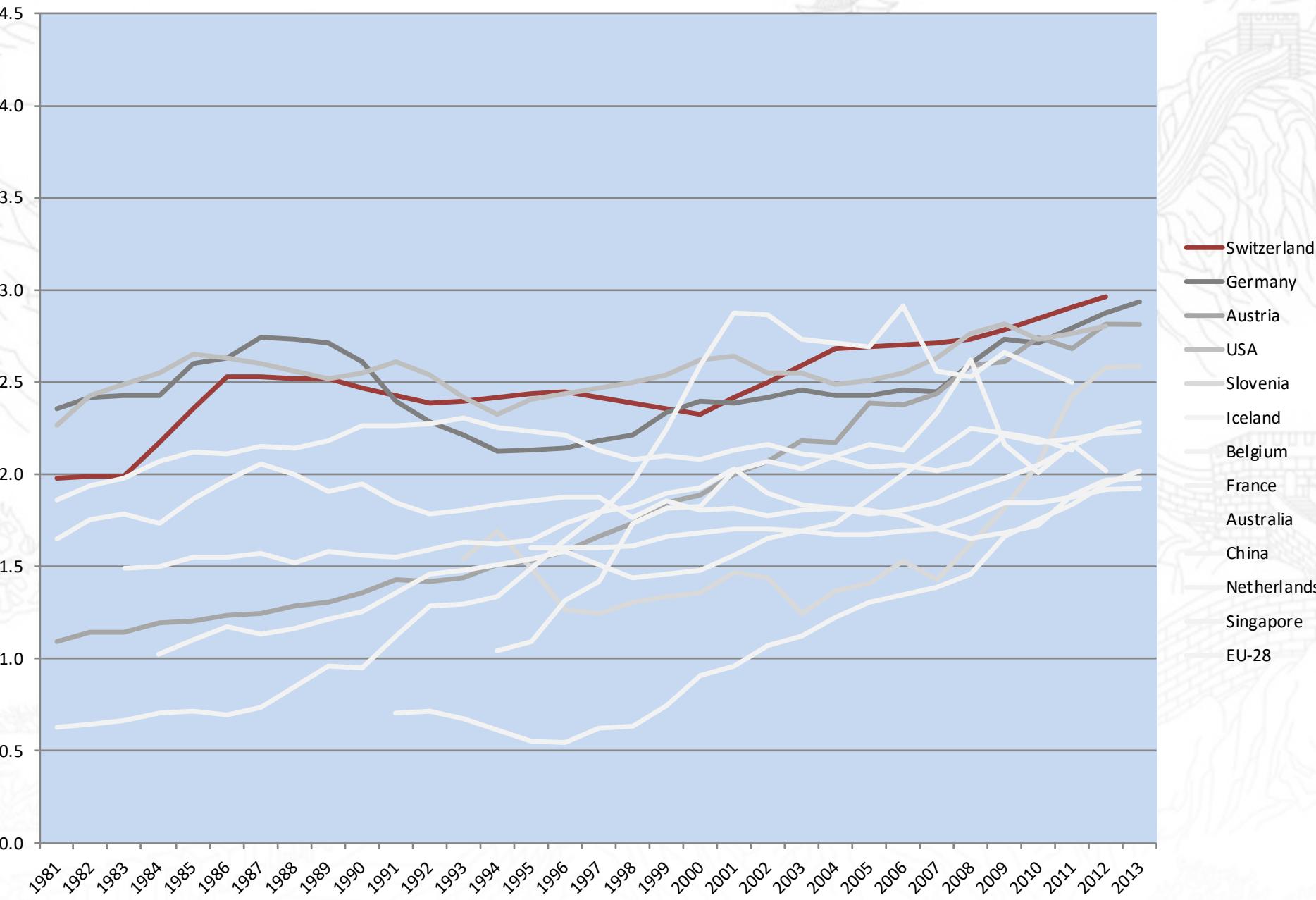


GERD as % of GDP



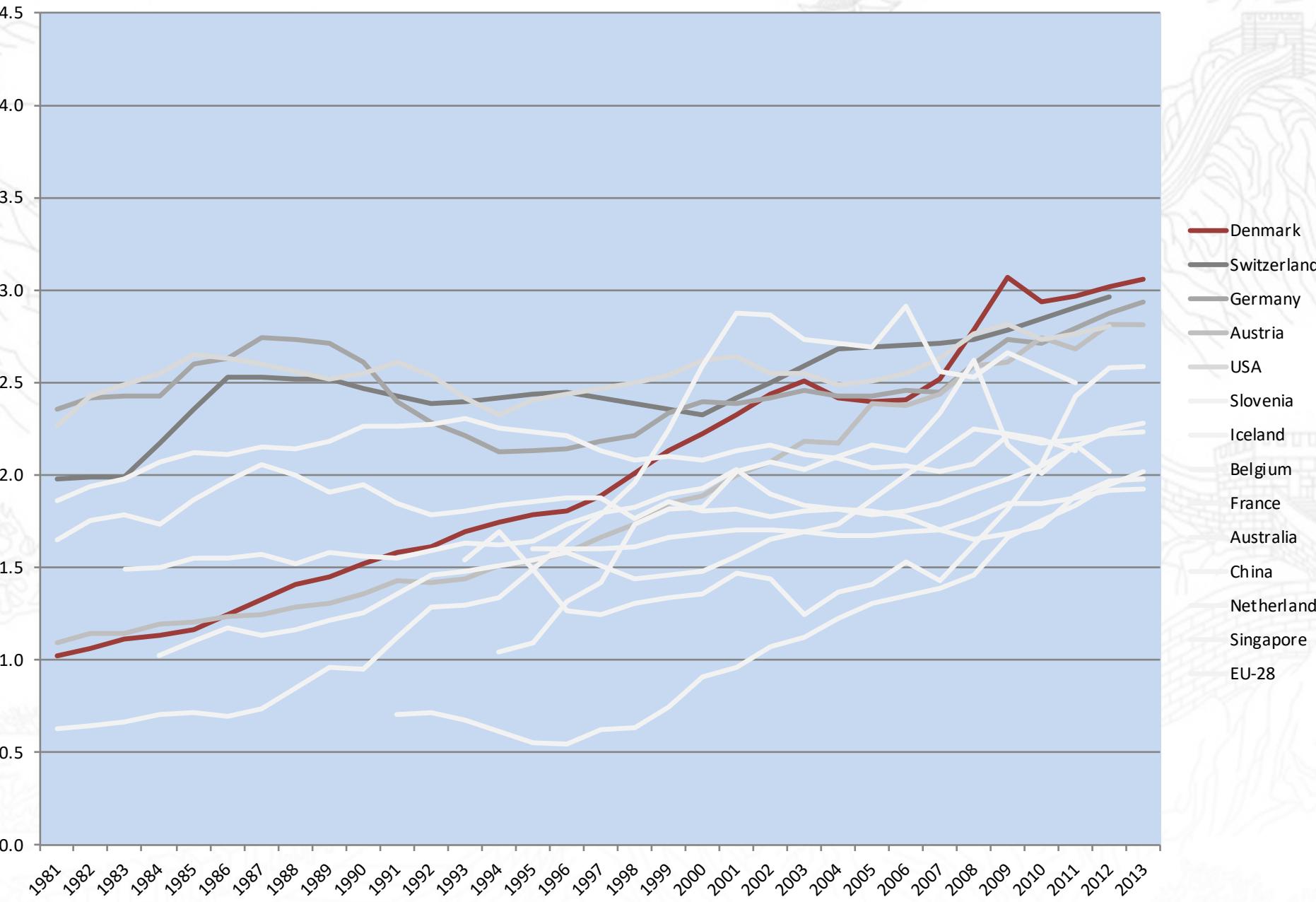


GERD as % of GDP



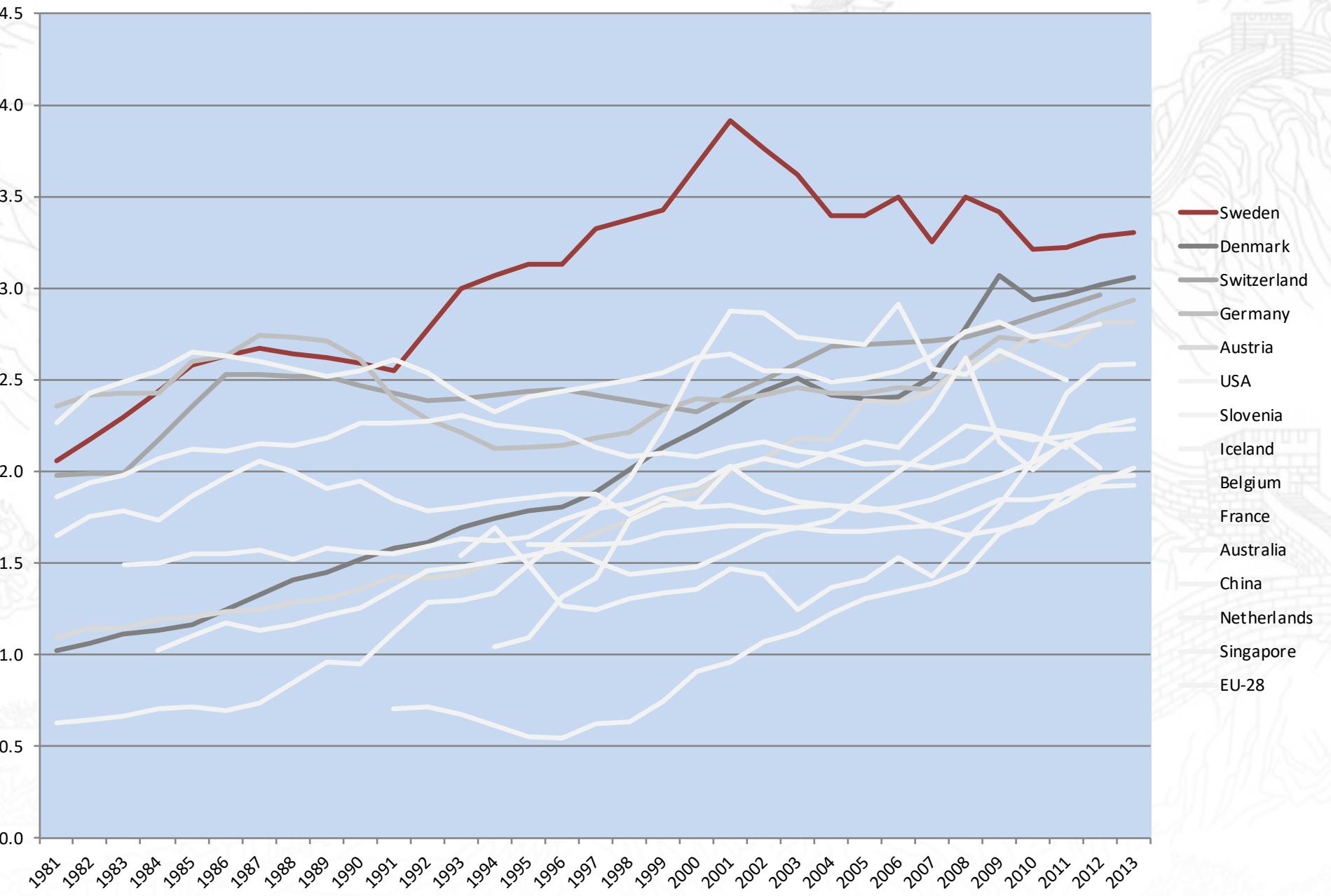


GERD as % of GDP



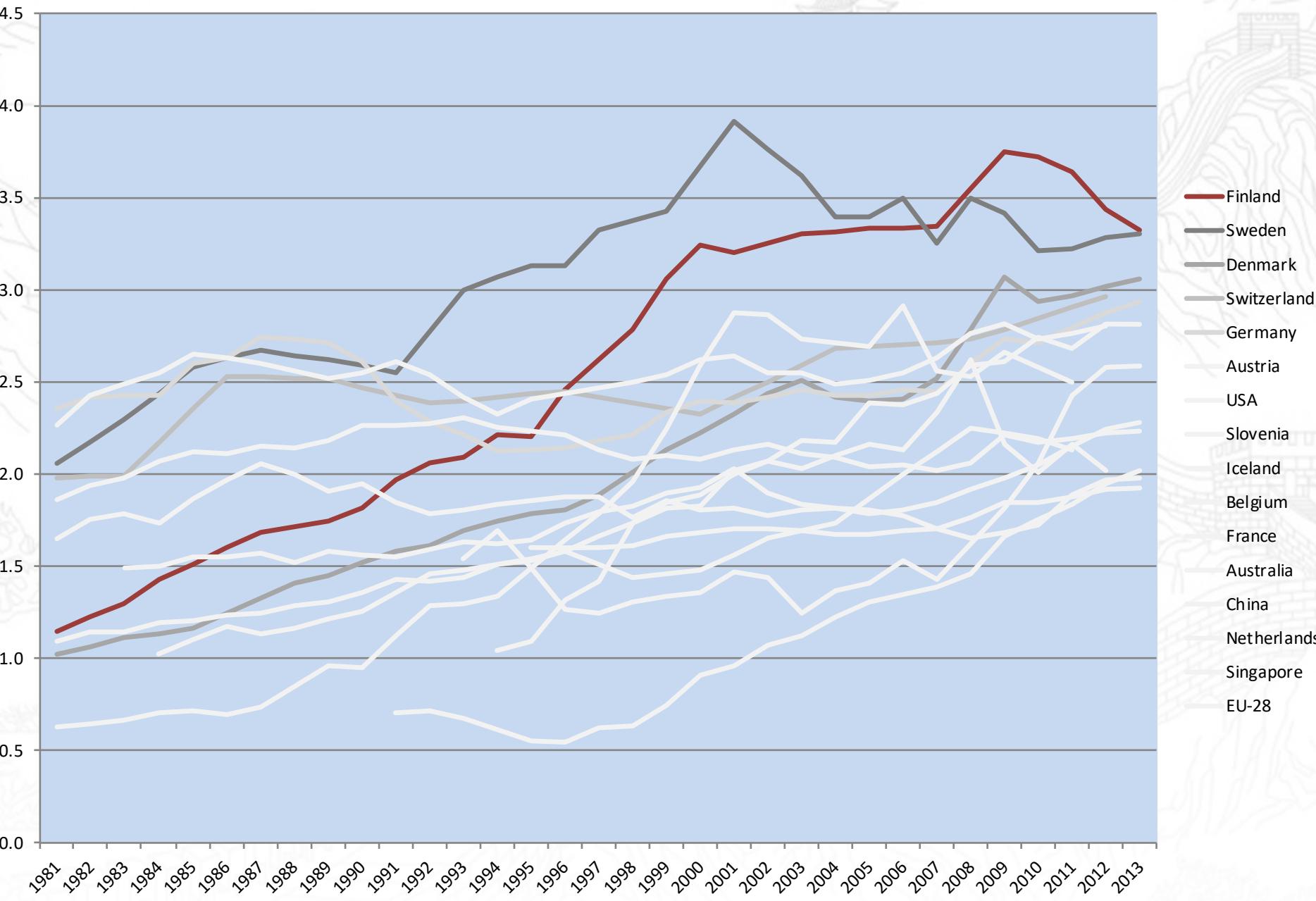


GERD as % of GDP



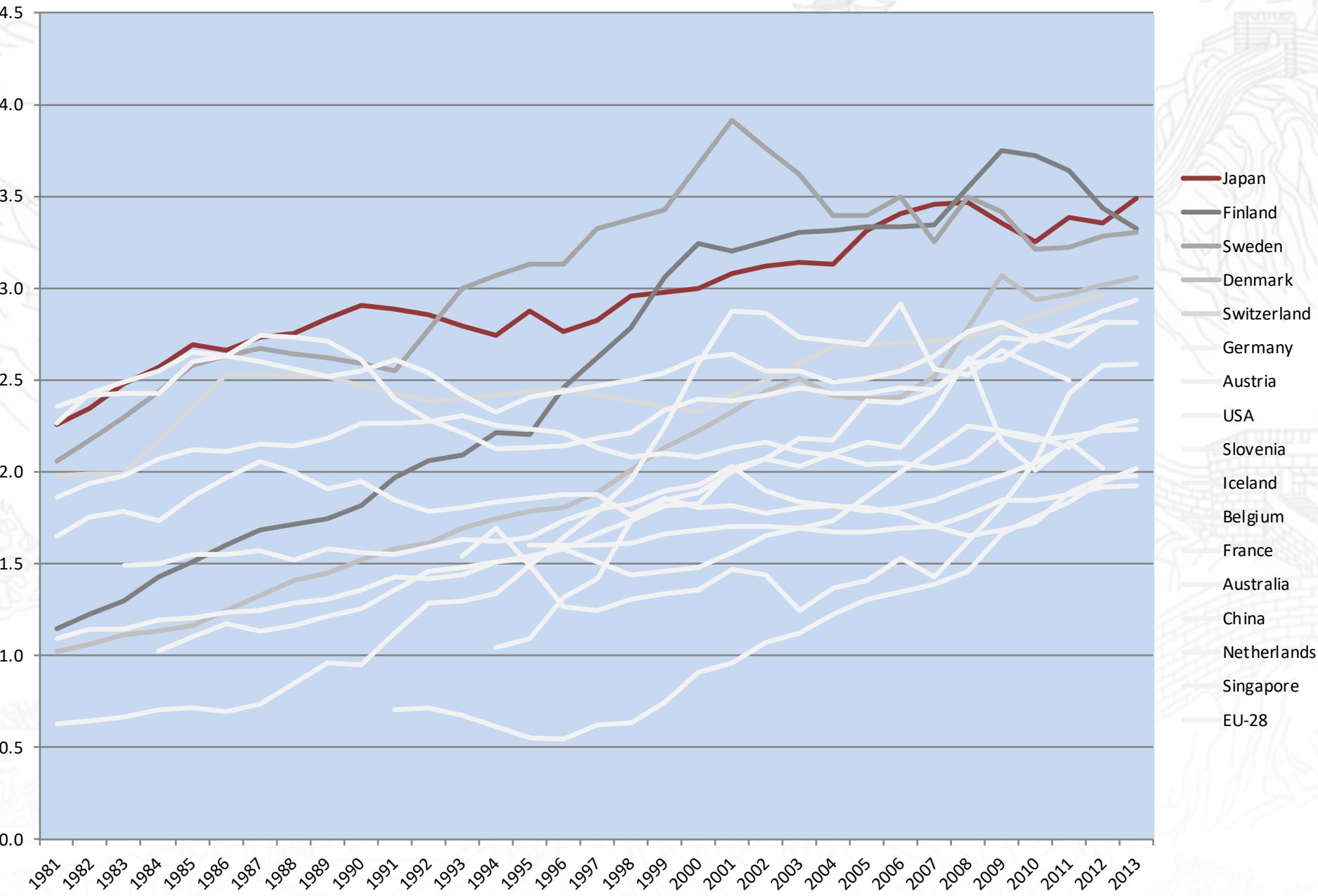


GERD as % of GDP



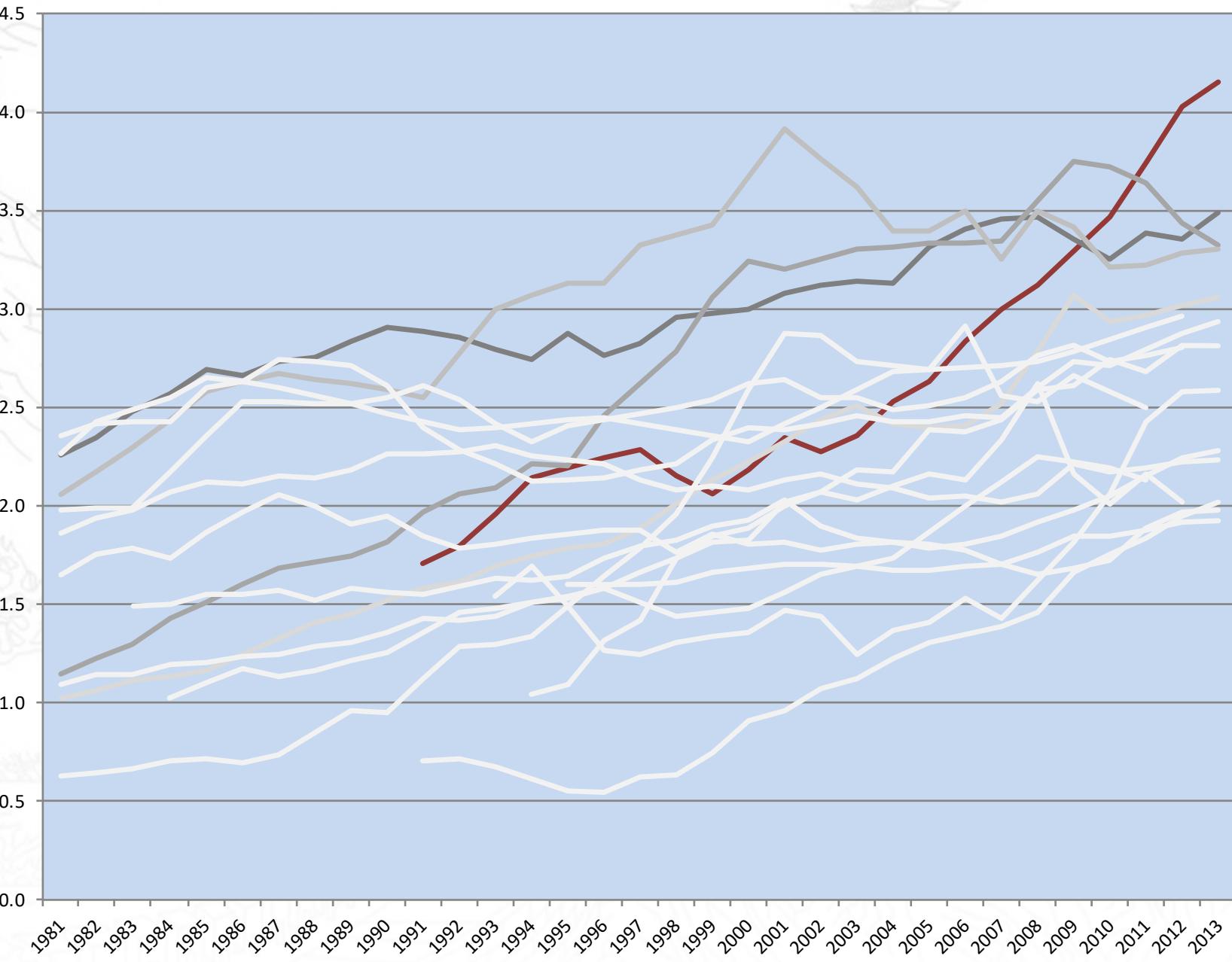


GERD as % of GDP

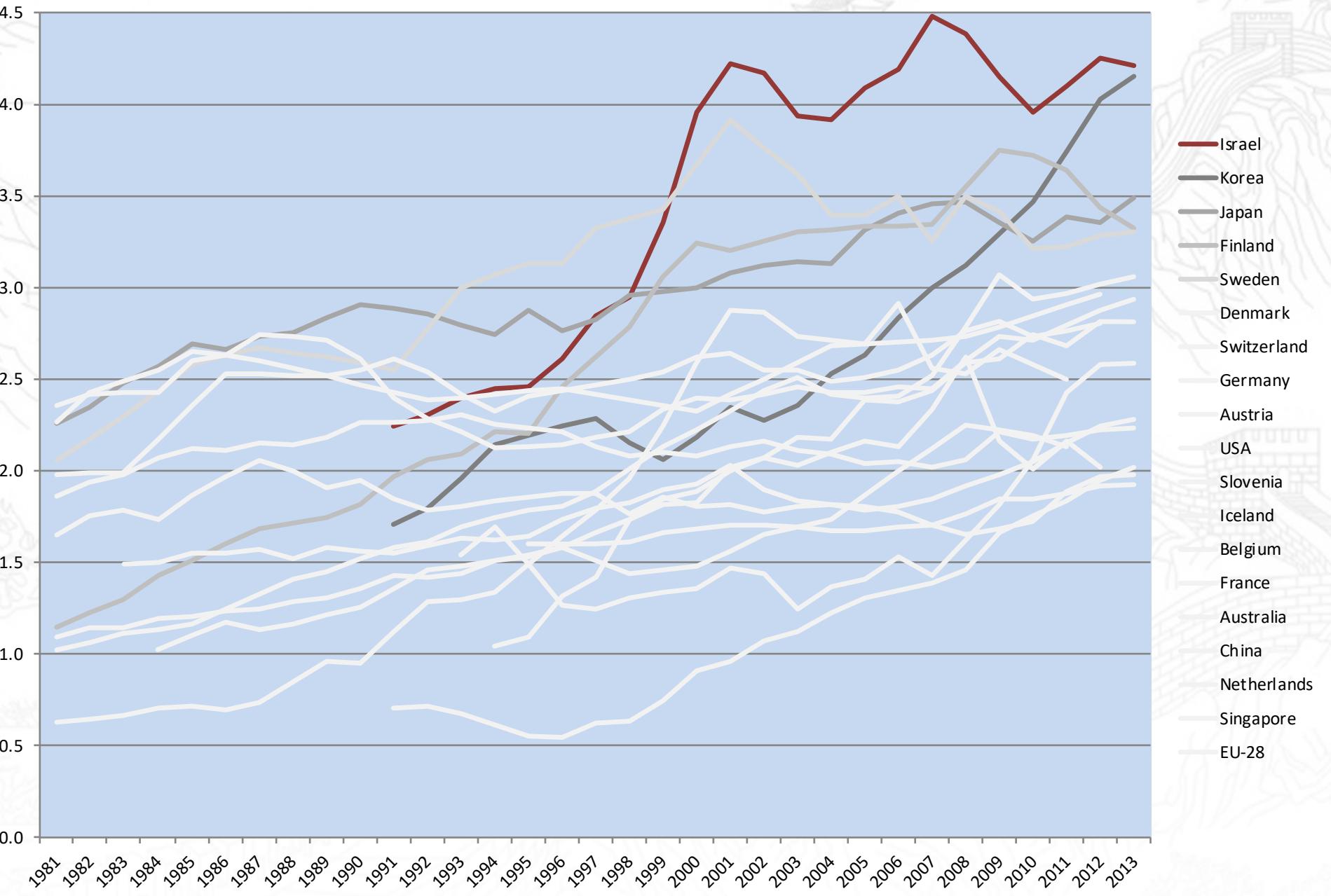




GERD as % of GDP



GERD as % of GDP



Why does GERD/GDP matter?

Defence RDT&E, projected average annual change from 2015 to 2021, selected countries (%)

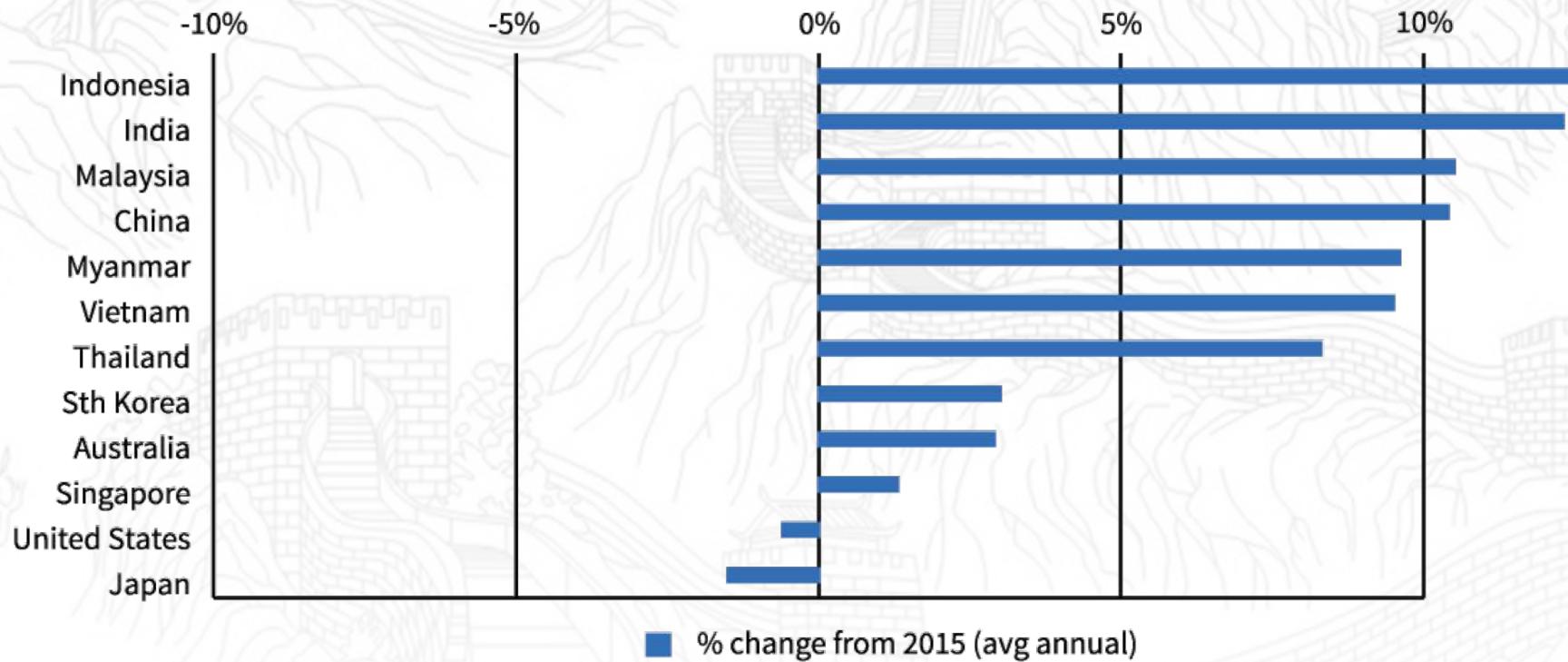


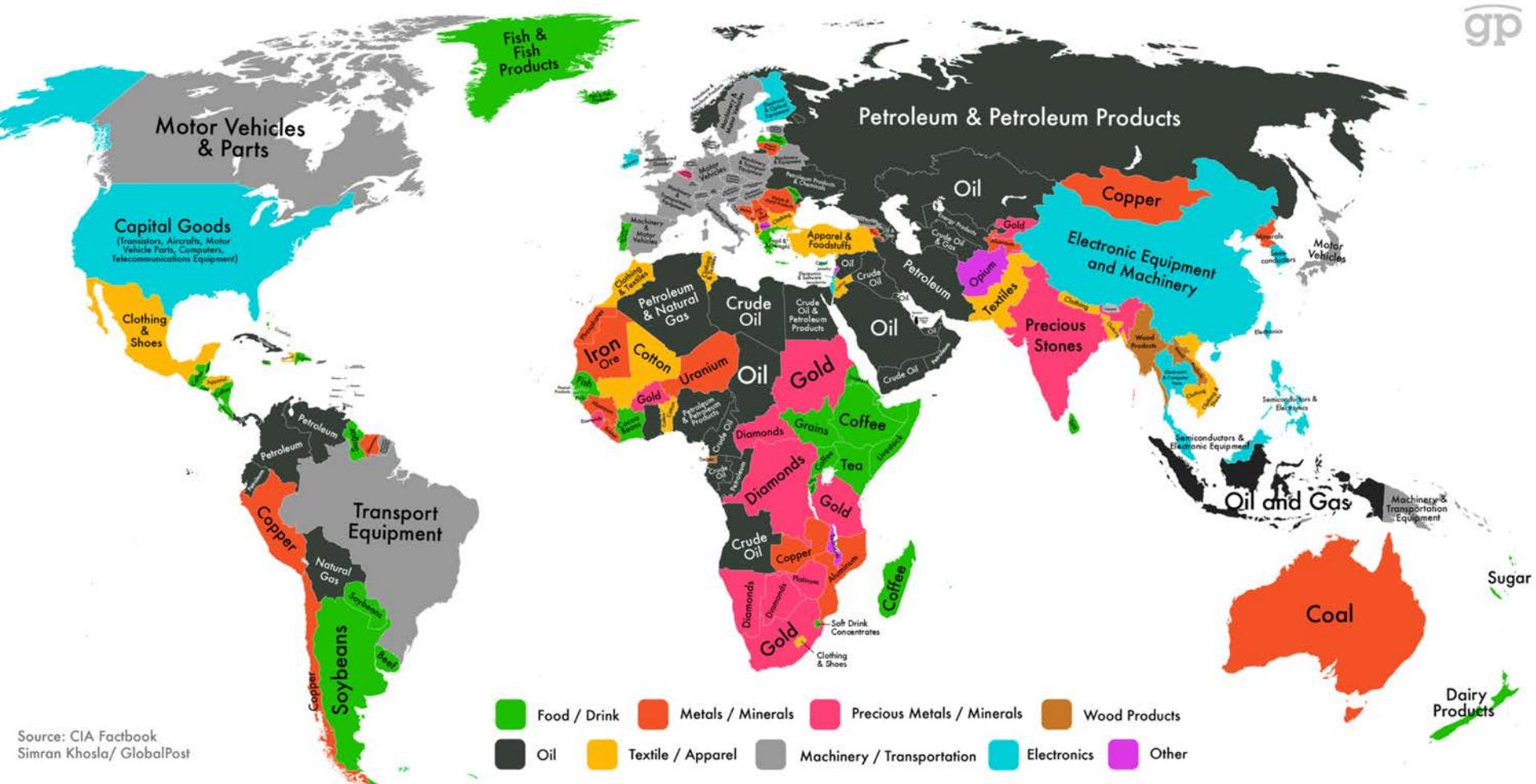
Chart from: Martin Callinan & Alan Gray, "Defence science and innovation: An affordable strategic advantage", Australian Strategic Policy Institute, June 2015

Just for fun: what makes us #1?

WHAT EACH COUNTRY LEADS THE WORLD IN



What are our #1 exports?



OK. Things are changing. So what?

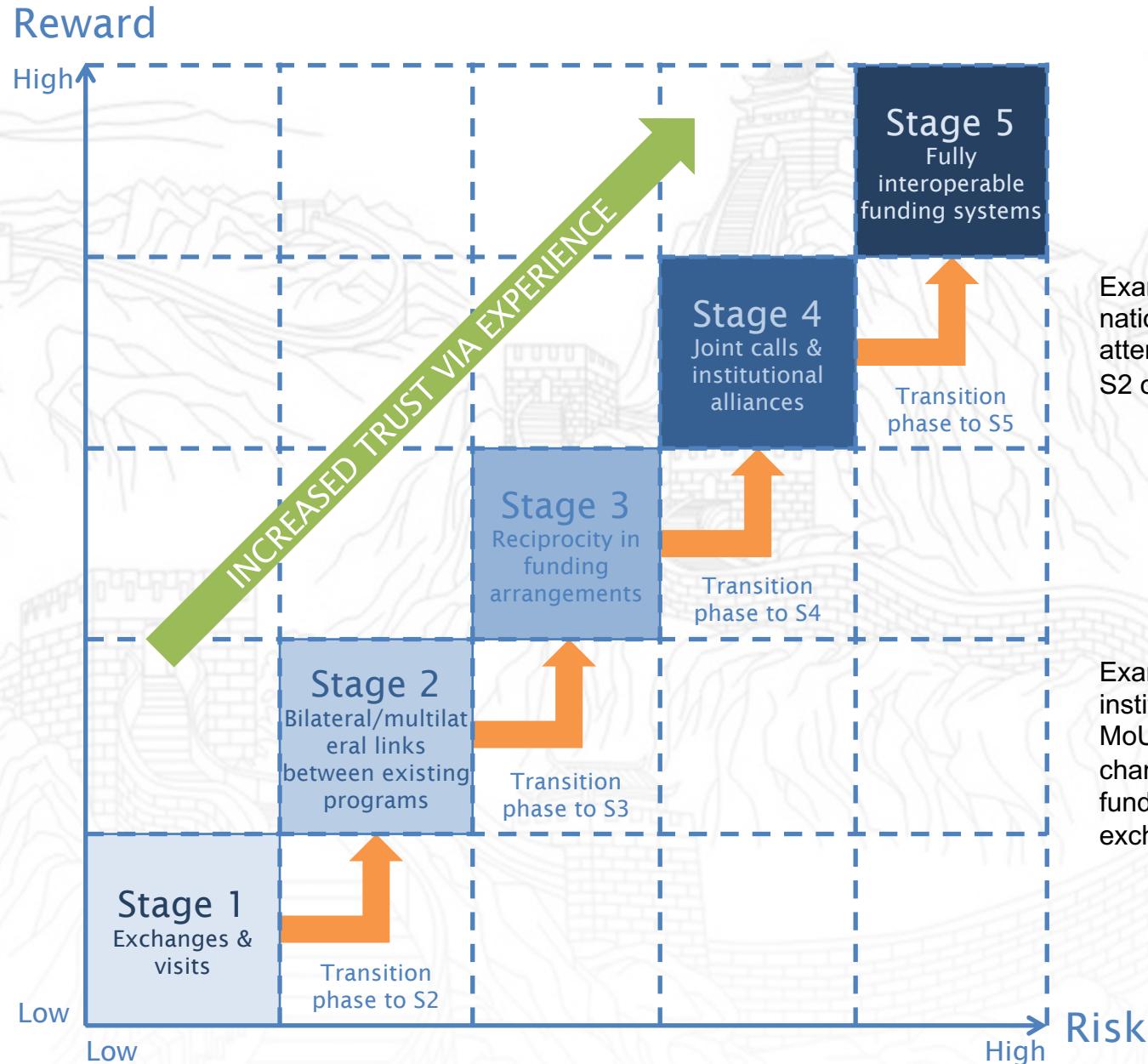
- “The grander the house, the deeper and stronger the foundations must be.”
 - Rado’s proverb

#1 trait for collaboration success

Relationships

Strong relationships require / build

- Trust
- Experience
- Conflict resolution skills
- Intercultural competency
- Interoperability of institutional & national systems
- Relationships = capital

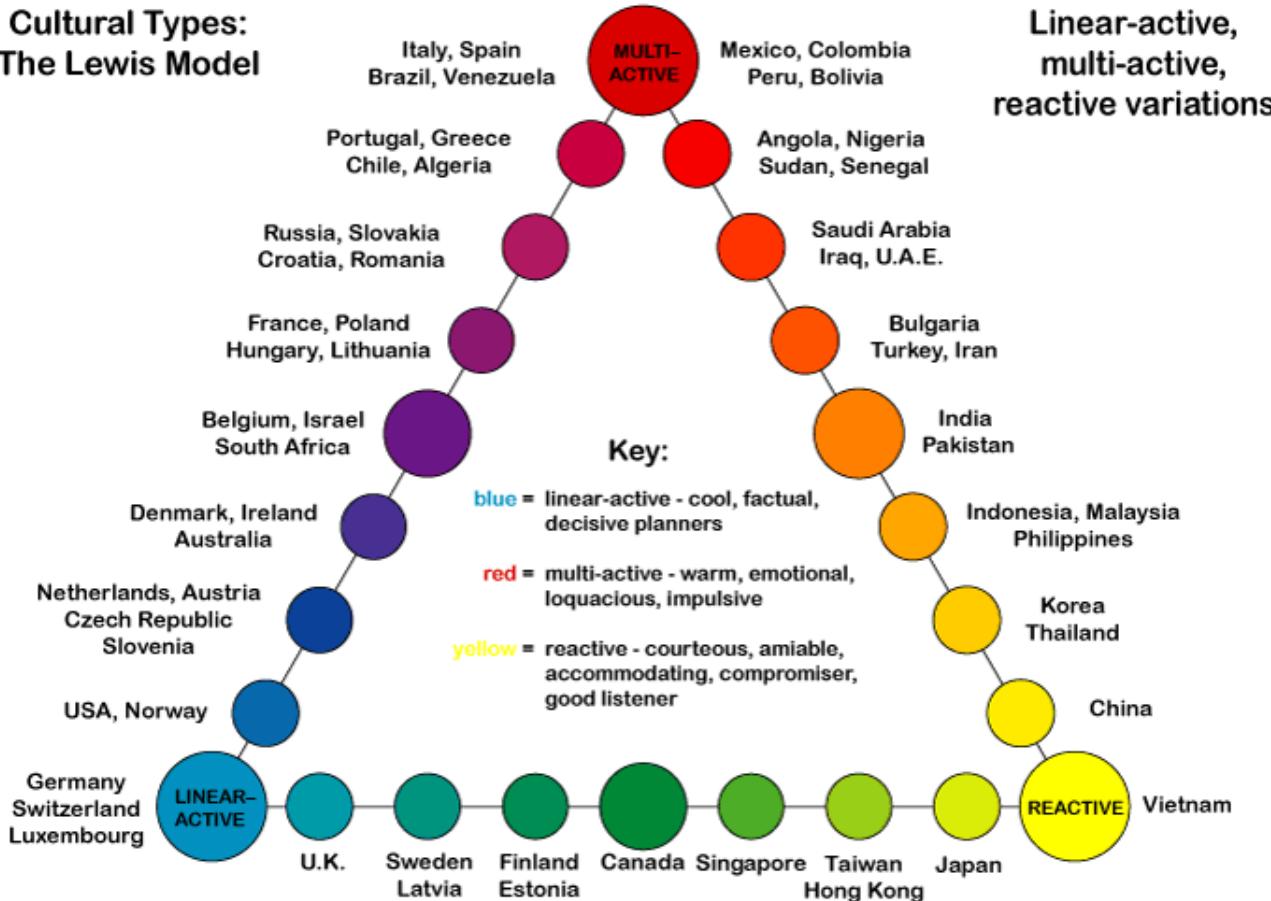


Example 1: two national governments attempt S4 without S2 or S3

Example 2: two institutions want S2 MoU to increase chance of getting S1 funding for exchanges

Every culture is different

Cultural Types:
The Lewis Model



Where to start?

- Student exchange?
- Conference?
- Scientific visit?
- Chaperone?

Yes!

Building sustainability?

- Constant capitalisation of resource base
 - i.e. continual investment in activities for relationship-building
- A lack of relationship capital ⇒ insufficient resources to sustain important / complex collaborations

Horizon 2020 as an example

- MCSA = 7.5% of budget
- Industrial Leadership (23%)
 - + Societal Challenges (41%)
 - Significant proportion of € used for ECRs & collaboration activities
- This pool of talent, starting their careers within the EU research system, will be the capital that builds tomorrow's complex intra-EU and international collaborations.

Ensuring “sustainability”

Macro / global / big picture
Complex collaborations



Micro / local / individual
Relationship capital





Thank you!

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