

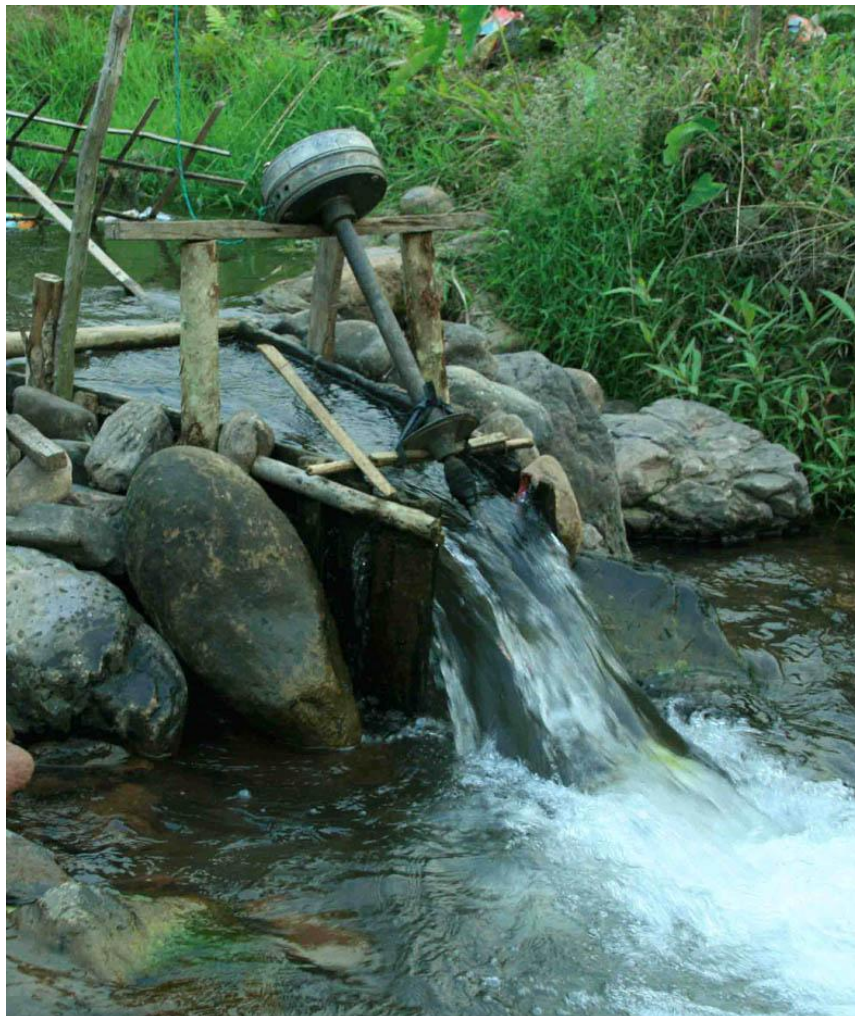


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FINLAND FUTURES
RESEARCH CENTRE

1



FUTURE DEVELOPMENT TRENDS IN LAOS AND CAMBODIA: GREEN GROWTH POSSIBILITIES

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University of Turku

<http://ffrc.utu.fi>, www.mekong.fi



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MEKONG REGION IN CHANGE

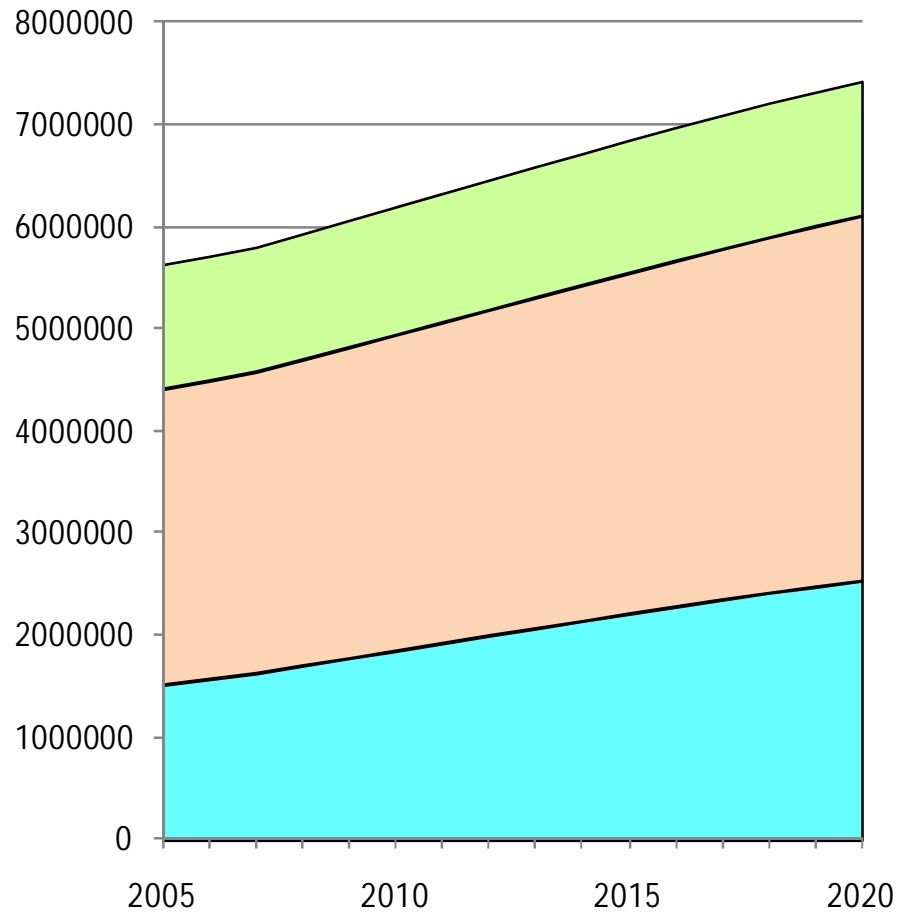




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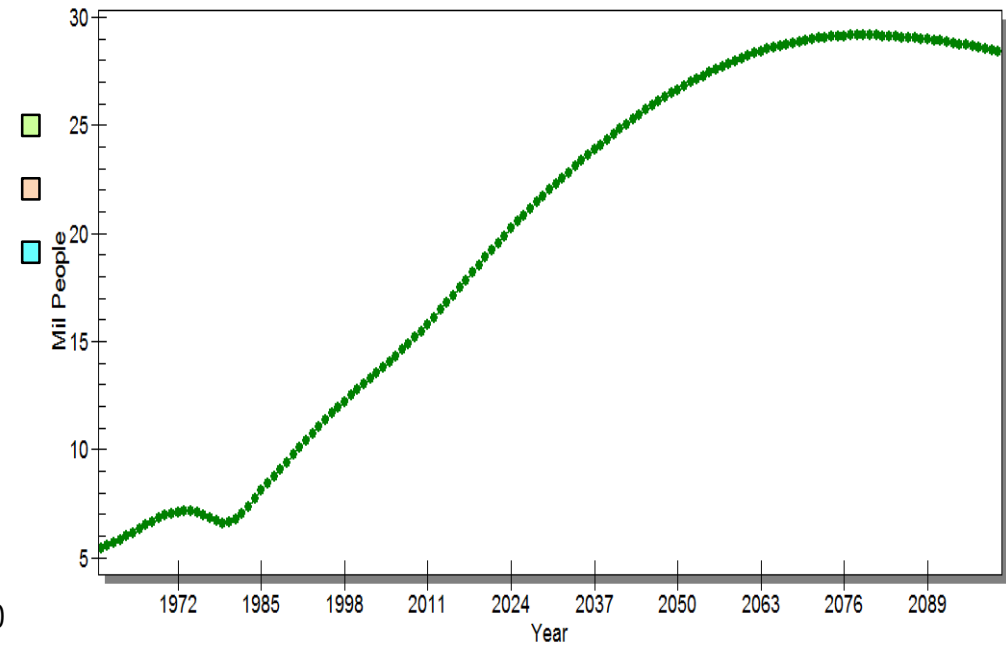
POPULATION

Lao PDR population scenario



Population, History and Forecast

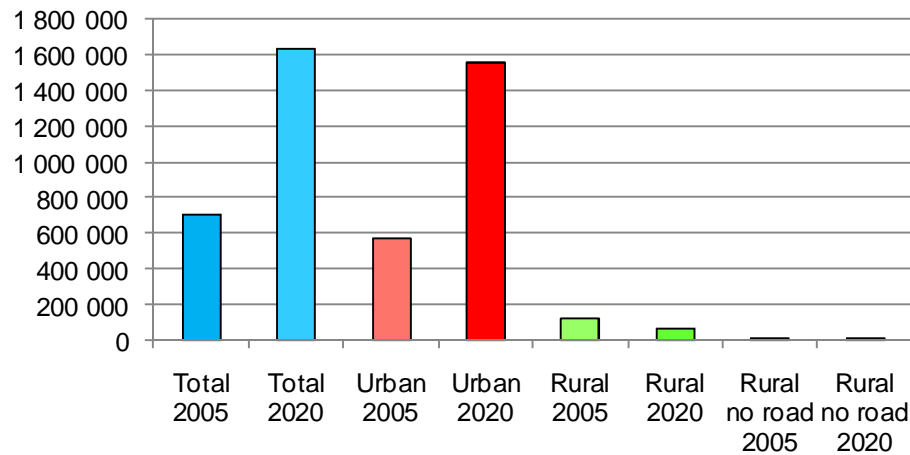
Population, History plus Forecast[Working](Cambodia)



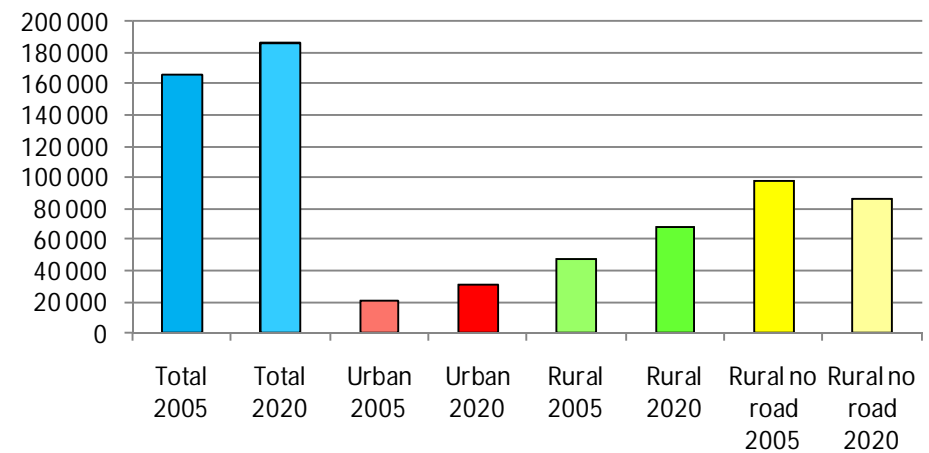


DIFFERENT POPULATION GROWTH FIGURES

Vientiane capital

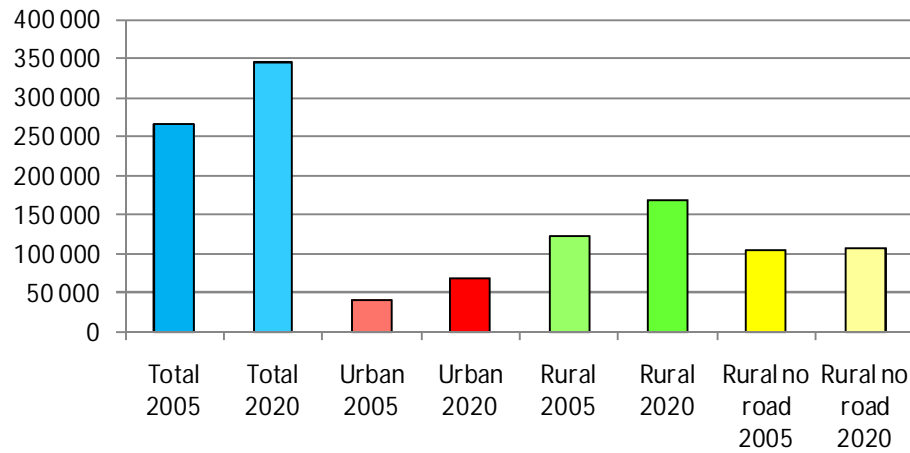


Phongsaly

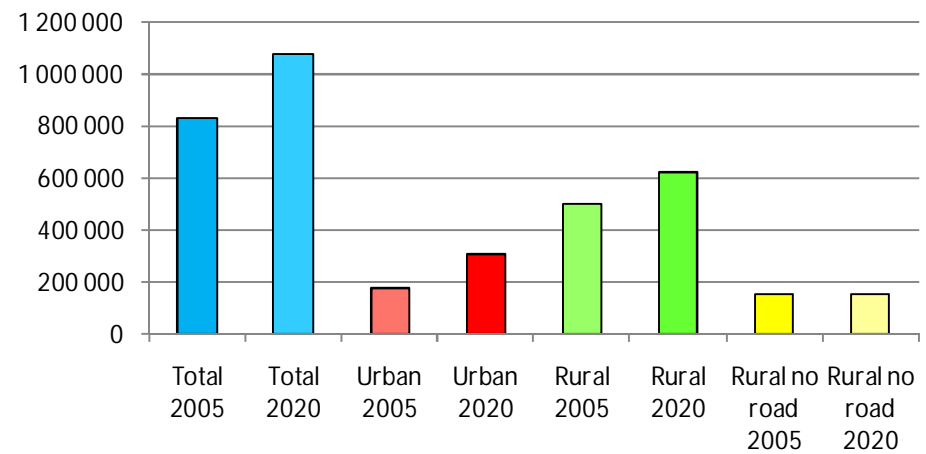




Oudomxai

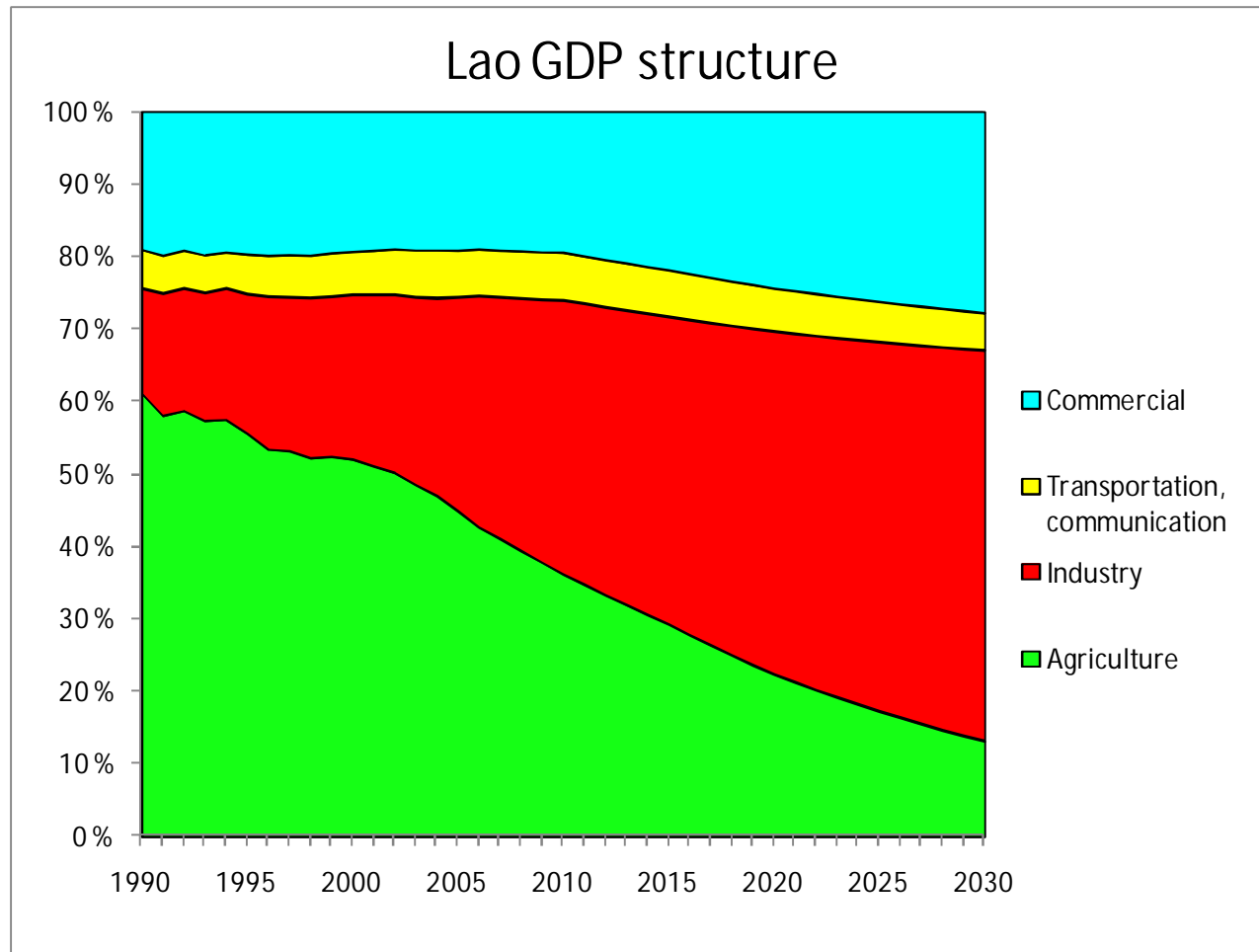


Savannakhet





STRUCTURAL CHANGE OF ECONOMY



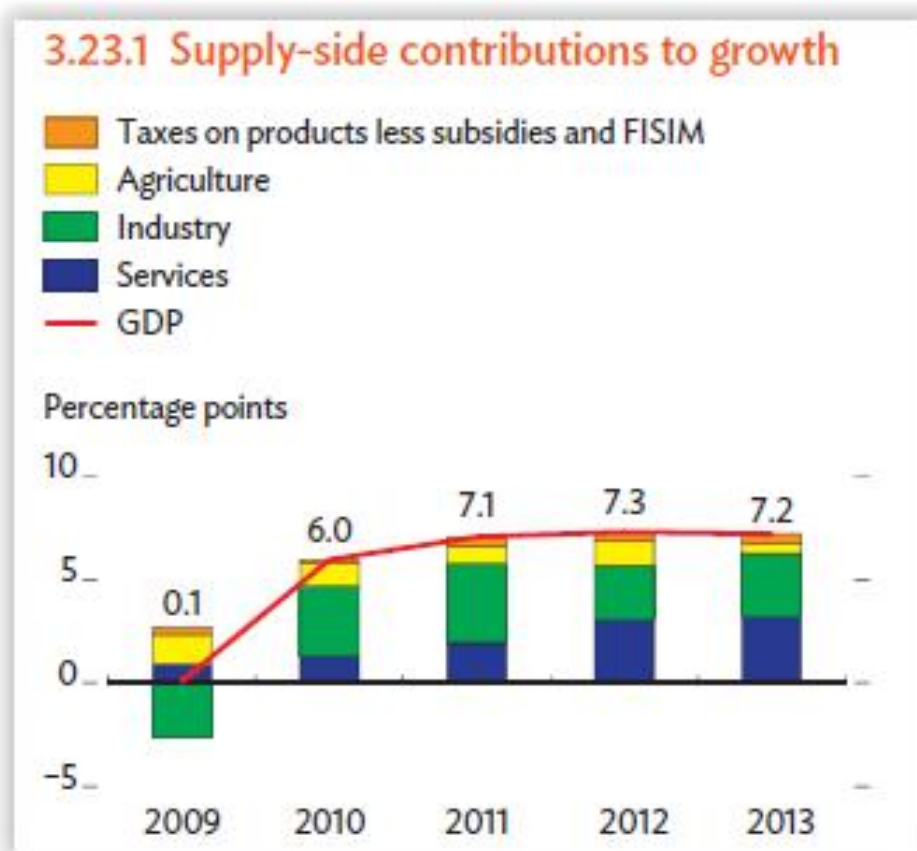
Potential
scenario



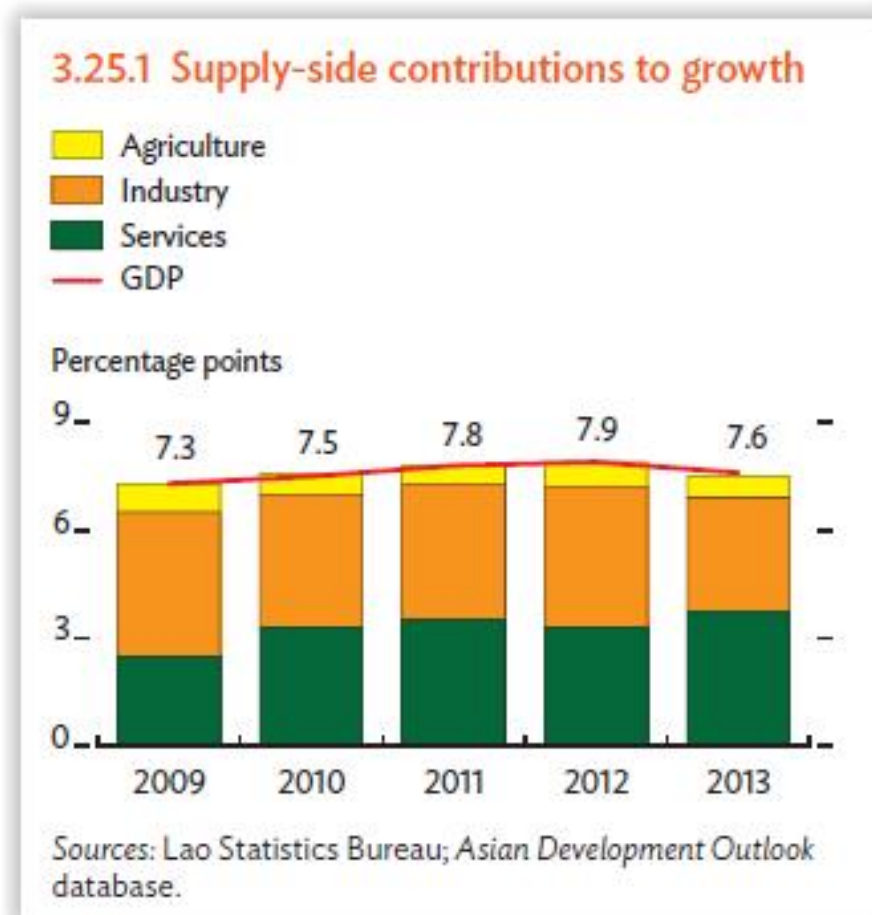


GDP GROWTH

Cambodia



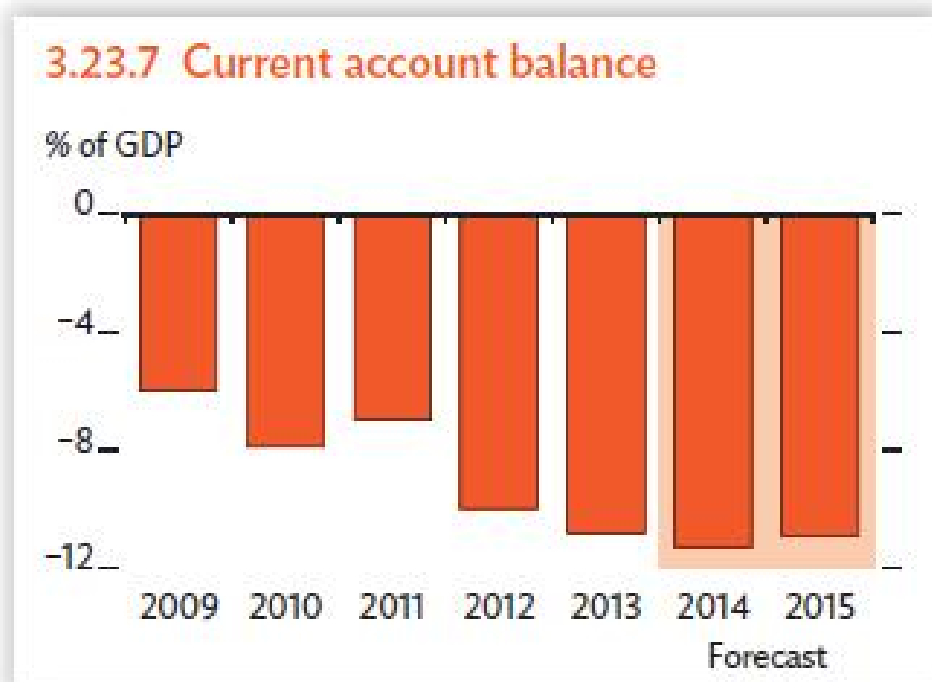
Lao PDR



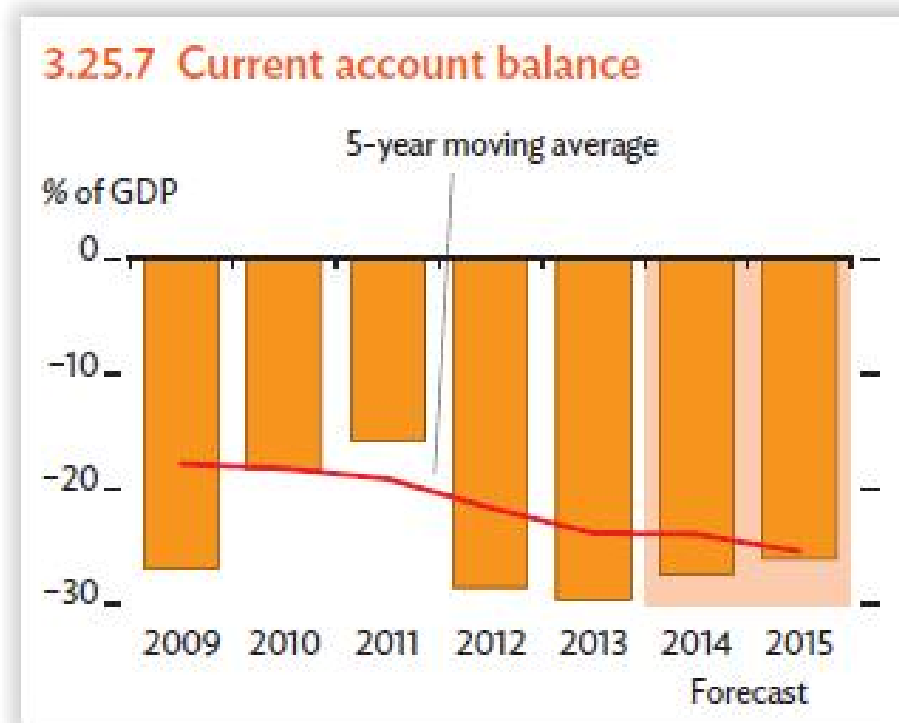


ECONOMIC BALANCE

Cambodia



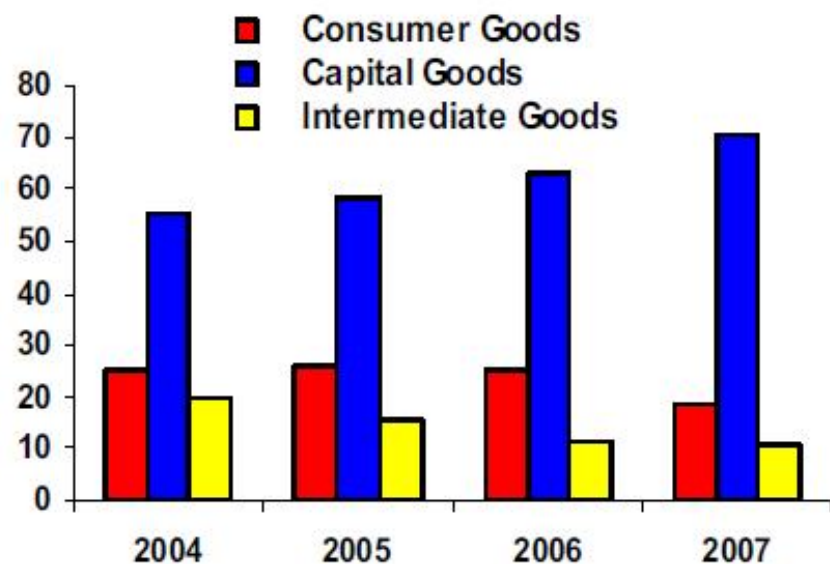
Lao PDR





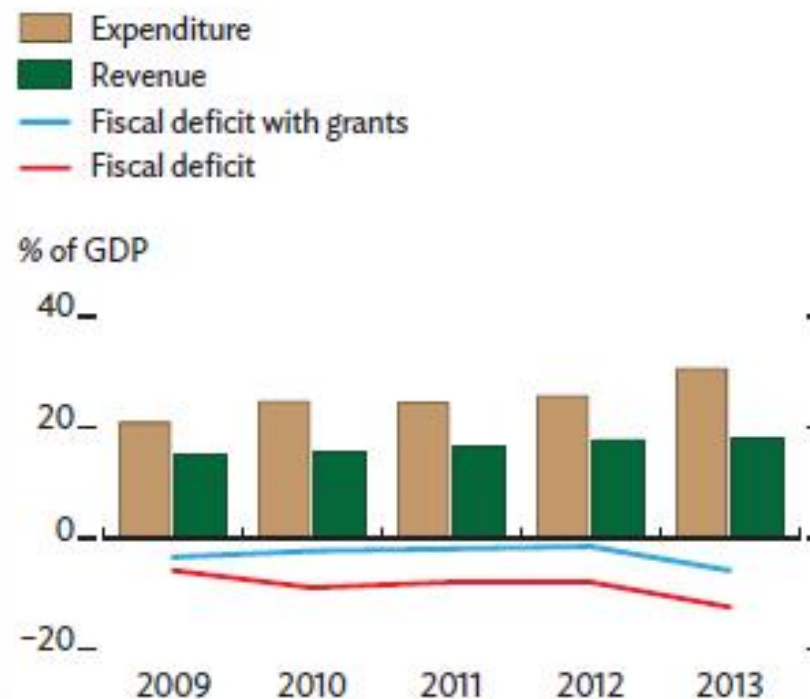
IMPORT AND CONSUMPTION, BUDGET DEFICIT LAO PDR

Figure 15. Key import commodities (% of total)



Source: Lao authorities and partner countries data.
Latest staff estimates and projections (2007)

3.25.3 Fiscal indicators





INVESTMENTS AND EXPORT LAO PDR

Figure 19. FDI by sector (US\$ m)

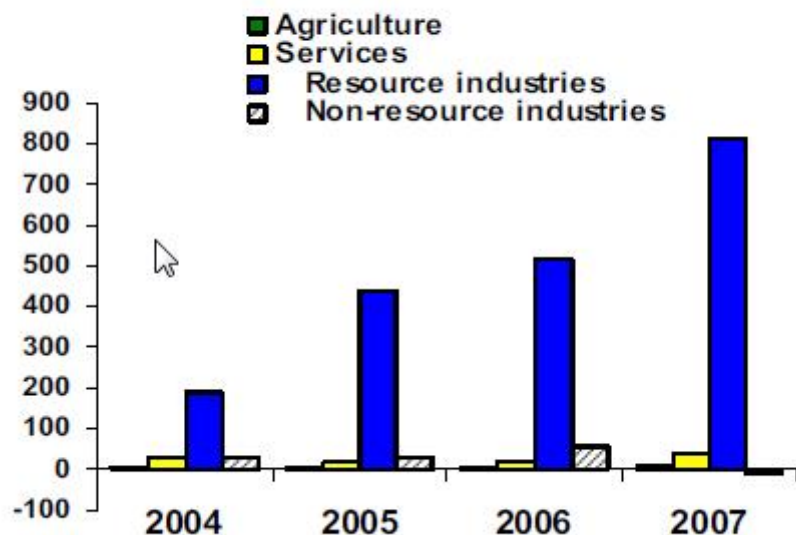
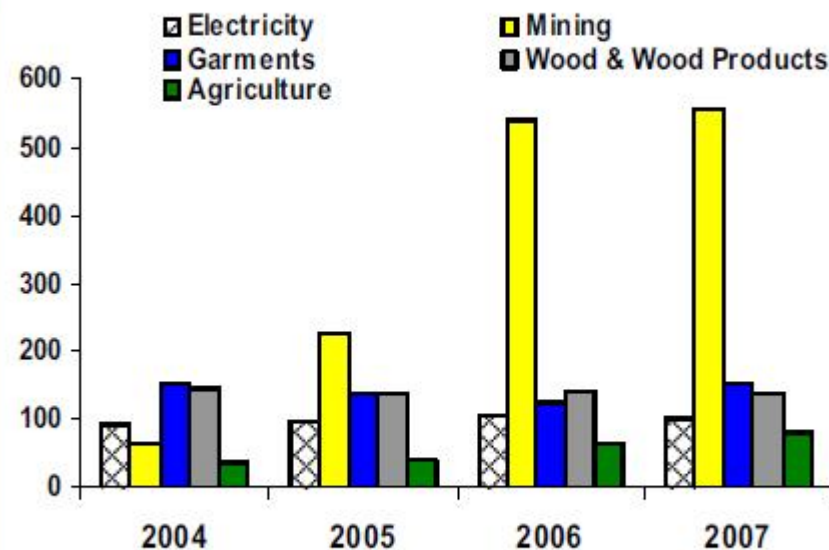


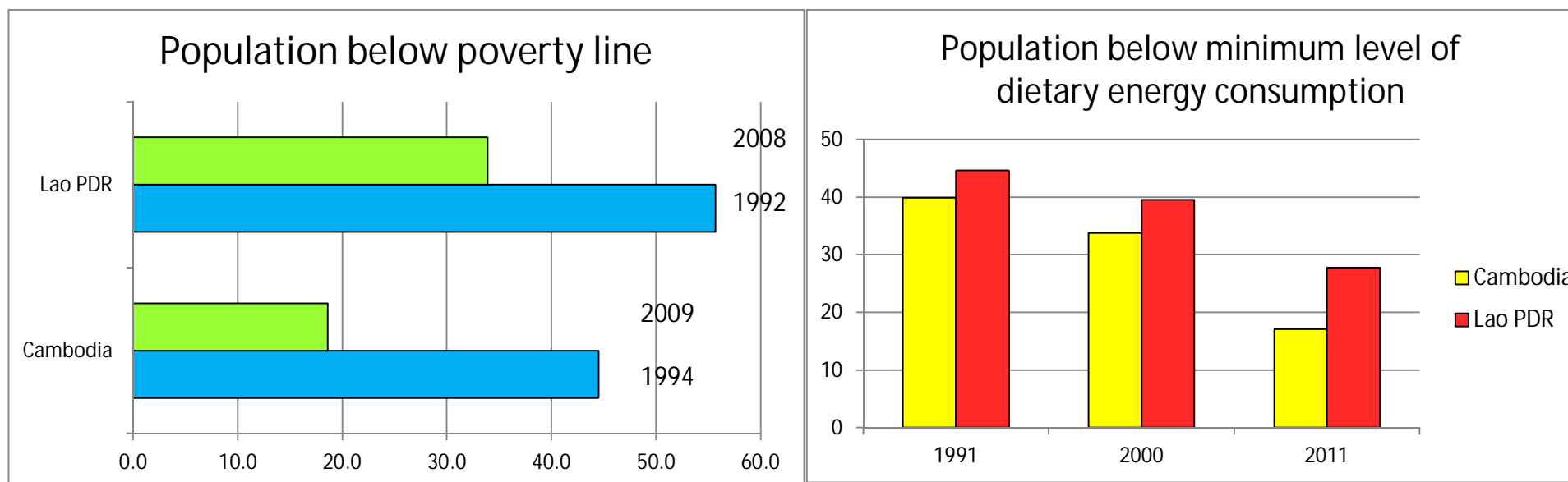
Figure 14. Key export commodities (mil. US\$)



Source: Lao authorities and partner countries data.
Latest staff estimates and projections (2007)



MDG 1 TARGET





MDG Goal 2: Achieve Universal Primary Education

Box 2.1 Progress toward target for primary school enrollment

Early achievers

Armenia	Kyrgyz Rep.
Brunei Darussalam	Lao PDR
Cambodia	Malaysia
China, People's Rep. of	Marshall Islands
Hong Kong, China	Micronesia, Fed. States of
Cook Islands	Mongolia
Fiji	Nauru
Georgia	Taipei, China
India	Tajikistan
Indonesia	Tonga
Kazakhstan	Tuvalu
Kiribati	Vanuatu
Korea, Rep. of	Viet Nam

On track

Palau

Slow progress

Bhutan	Solomon Islands
Pakistan	Timor-Leste
Papua New Guinea	

No progress/regressing

Azerbaijan	Sri Lanka
Maldives	Thailand
Philippines	Uzbekistan
Samoa	



MDG GOAL 7: ENSURE ENVIRONMENTAL SUSTAINABILITY

Box 7.1 Progress toward the target for proportion of population with access to improved drinking water

Early achievers

Afghanistan	Maldives
Armenia	Mongolia
Bhutan	Myanmar
Cambodia	Nepal
China, People's Rep. of	Palau
Cook Islands	Samoa
Fiji	Singapore
Georgia	Sri Lanka
India	Thailand
Korea, Rep. of	Tuvalu
Kyrgyz Rep.	Vanuatu
Lao PDR	Viet Nam
Malaysia	

On track

Indonesia	Philippines
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Slow progress

Azerbaijan	Papua New Guinea
Bangladesh	Solomon Islands
Kiribati	Tajikistan
Marshall Islands	Timor-Leste
Nauru	Tonga
Pakistan	

No progress/regressing

Kazakhstan	Turkmenistan
Micronesia, Fed. States of	Uzbekistan



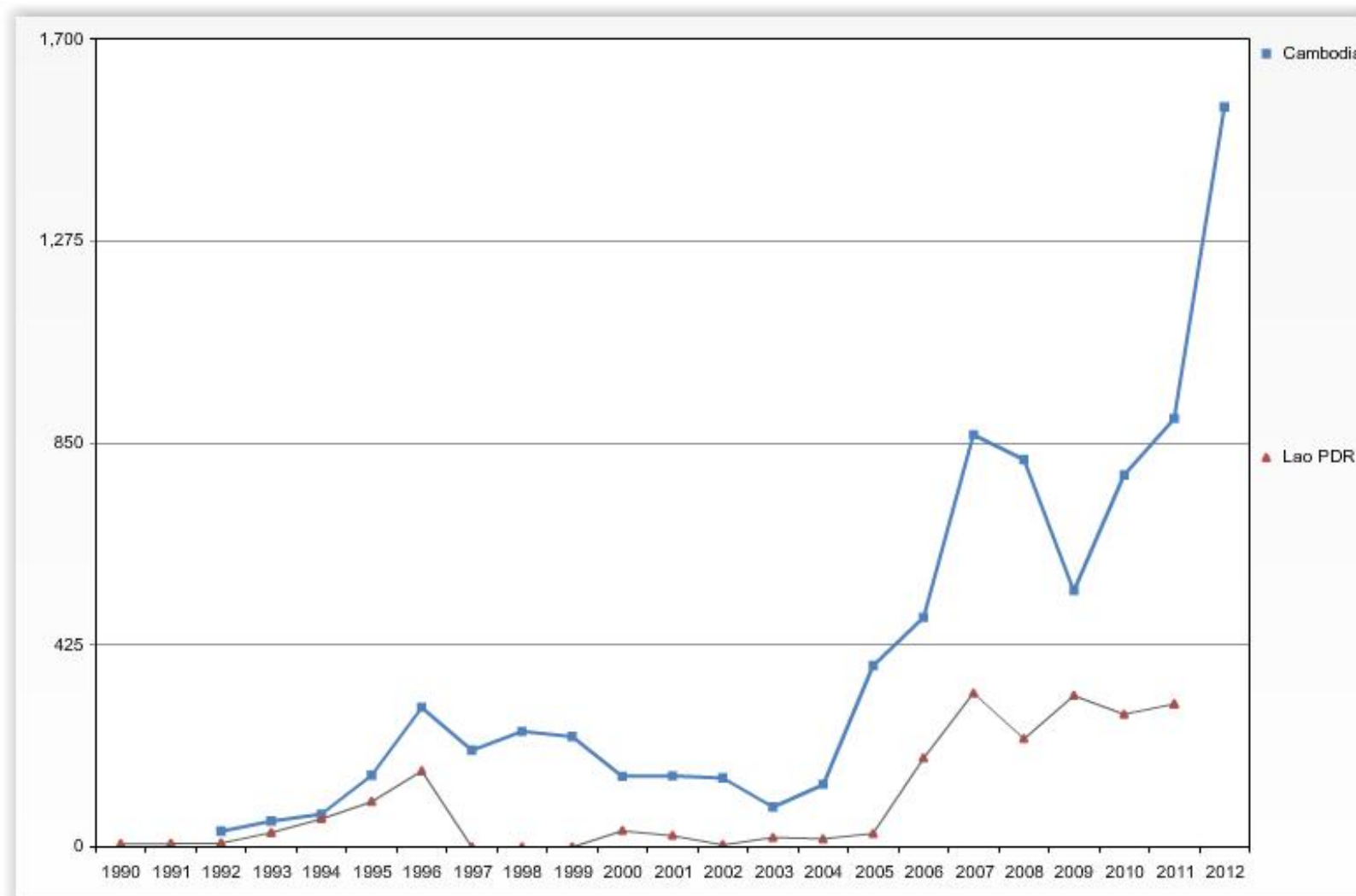
ECONOMIC GROWTH

- Where do the investments come from?
- China?
- Japan?
- EU and USA?
- Where to invest?
 - Mining, Aluminium
 - Electricity





FOREIGN DIRECT INVESTMENTS

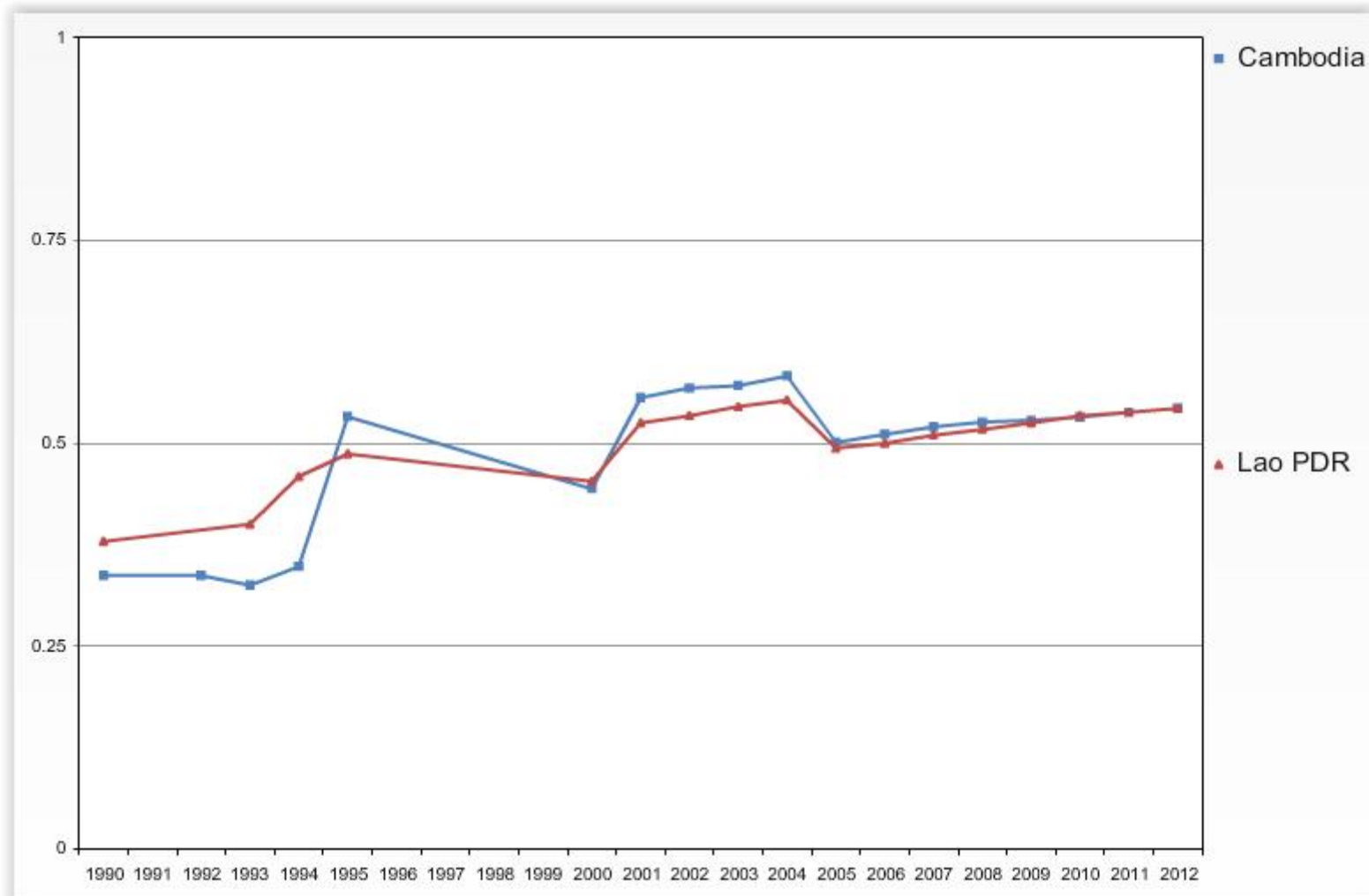


Finlar



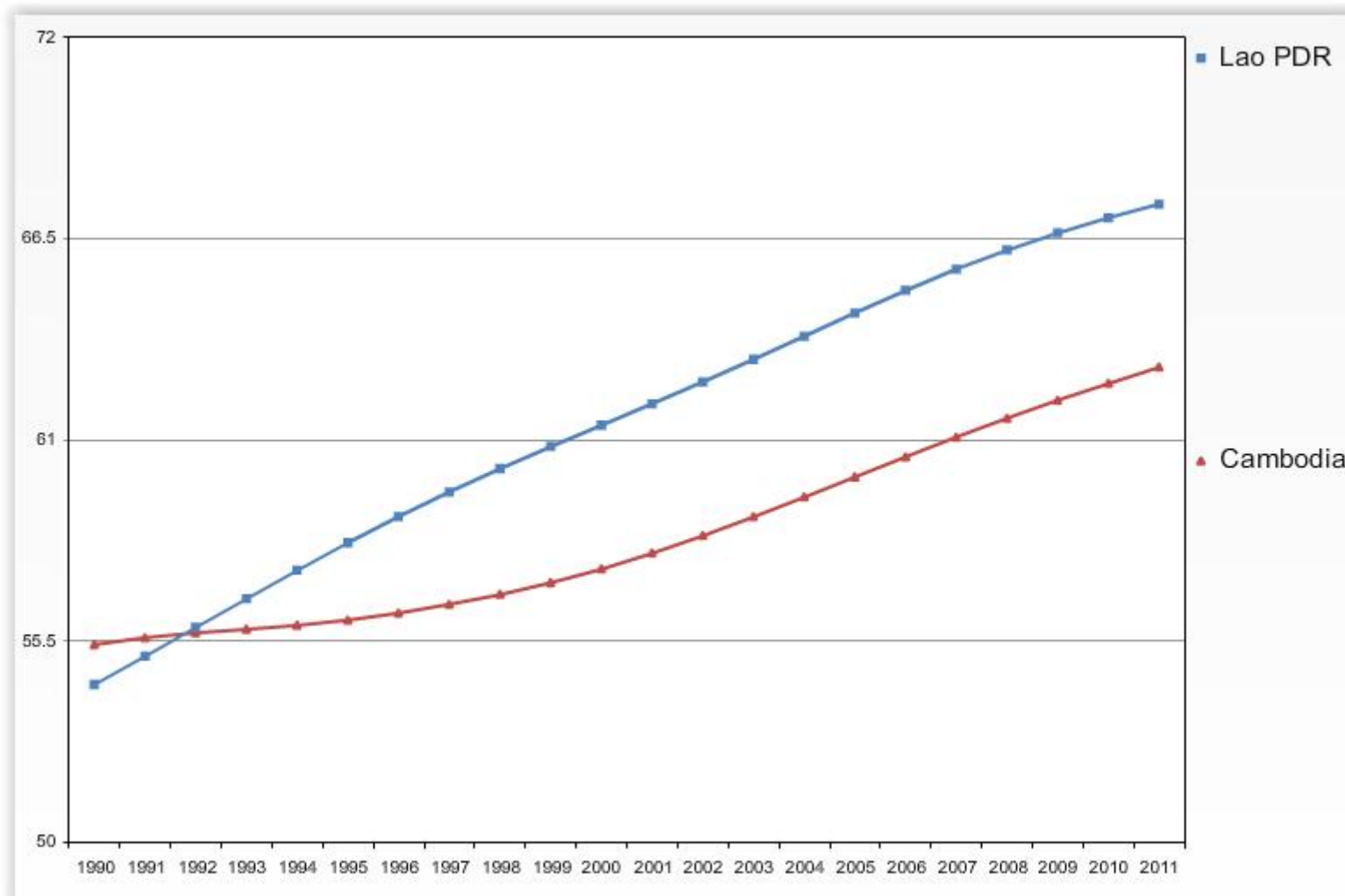


HUMAN DEVELOPMENT INDEX





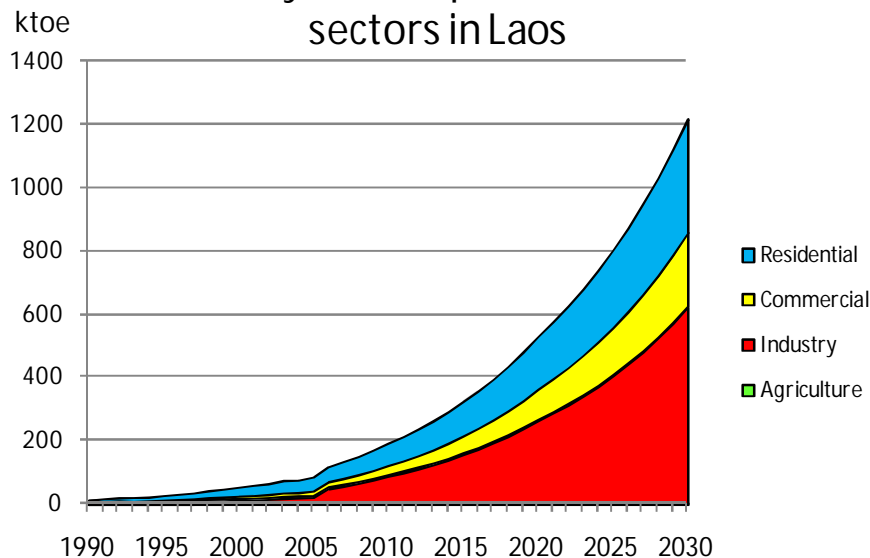
LIFE EXPECTANCY



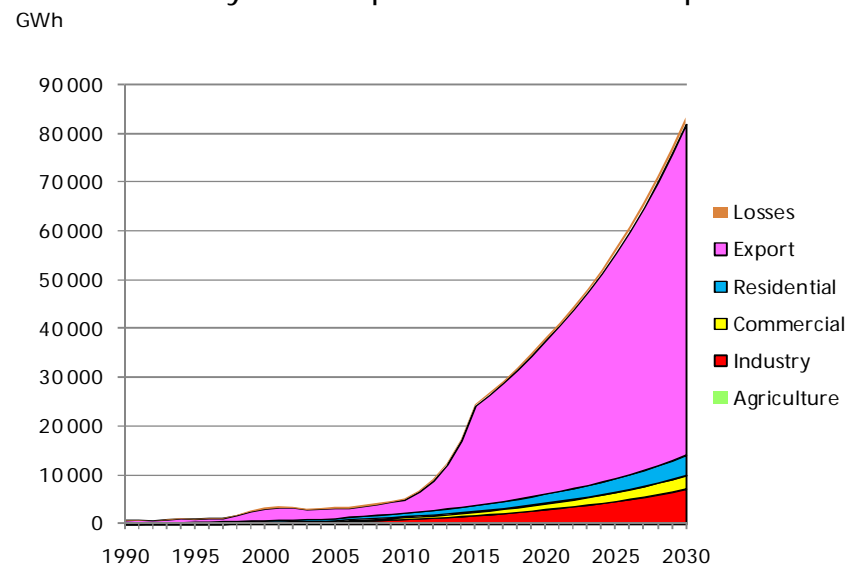


ELECTRICITY CONSUMPTION

Electricity consumption in different sectors in Laos



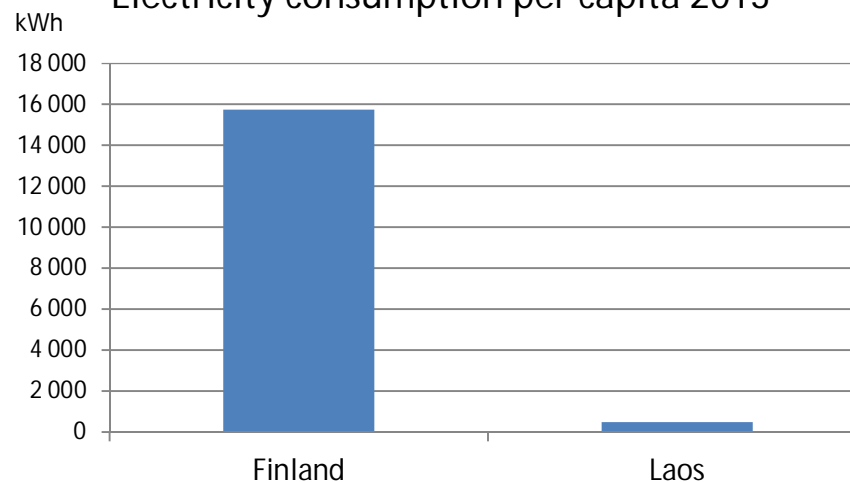
Electricity consumption in Laos and export



Electricity consumption per capita in Laos

- 2013: 500 kWh per capita
- 2030: 4 000 kWh per capita ?
- compare Finland 15 000 kWh per capita

Electricity consumption per capita 2013





HYDRO POWER AND ECONOMY?

**Nam Theun 2
income 2 billion
USD for Laos**

**Who gets profit?
Who has to pay?
Where does the
money go?**





LAO ECONOMY

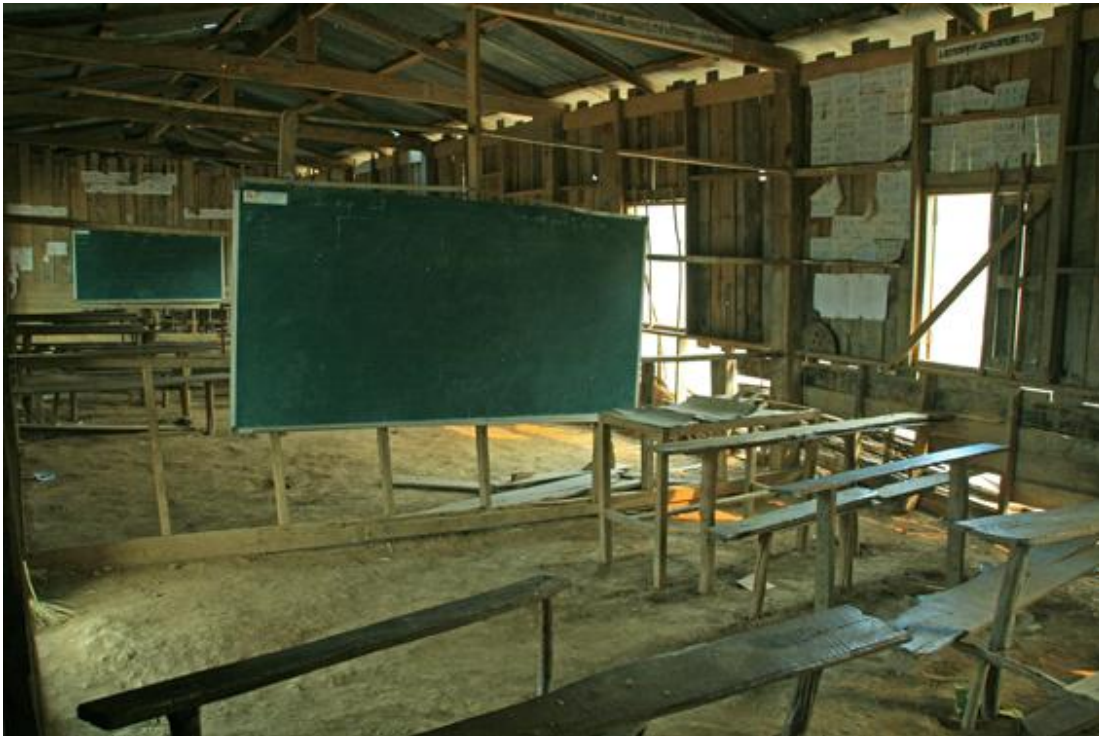
**GDP about 5.5. billion
USD**

**Annual education budget
about 0.1 billion USD**

**Nam Theun 2
income provides 20
years education
budget?**

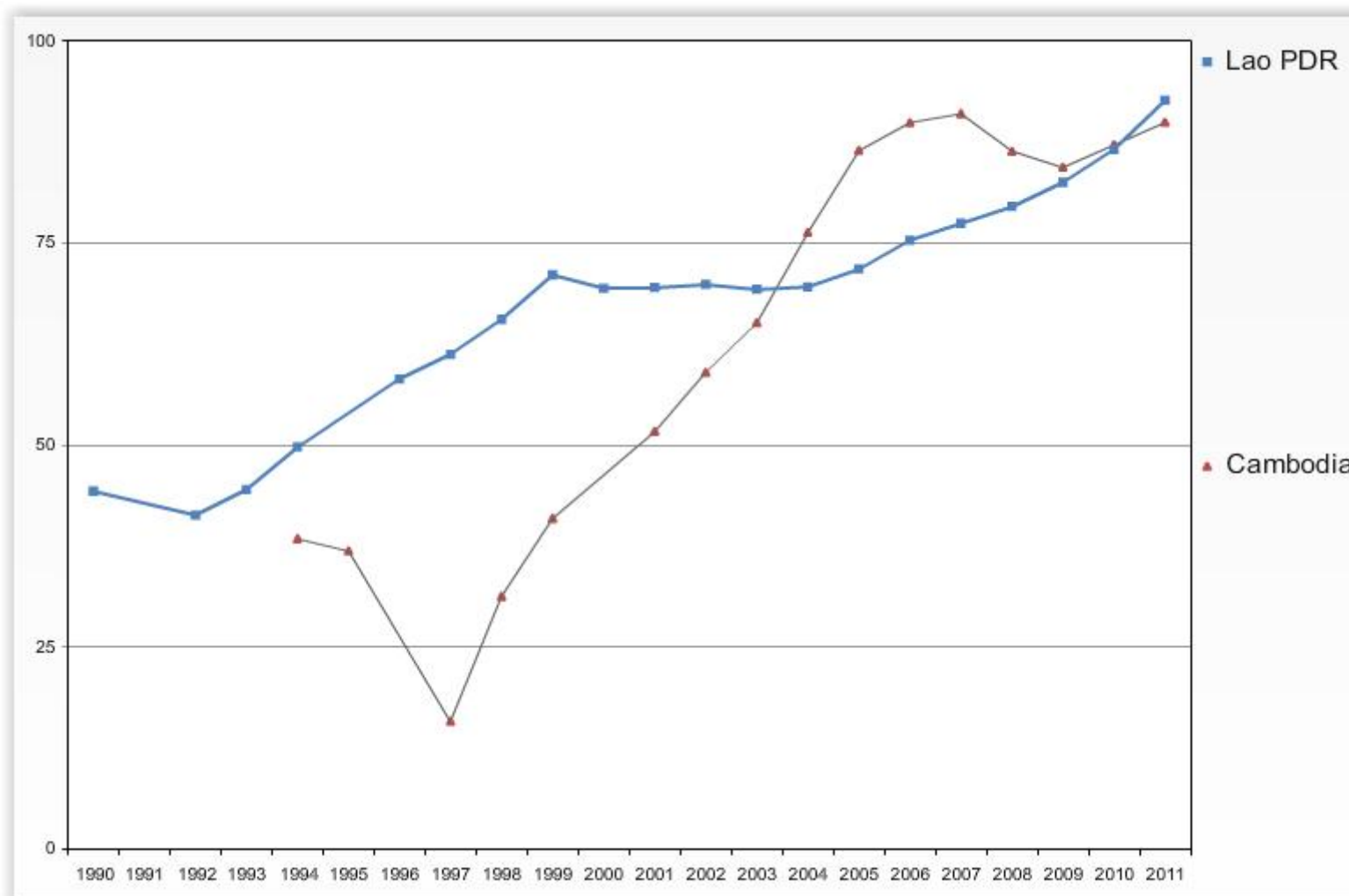
**Does the money go
to education and
health?**

**But what are the
environmental
costs?**



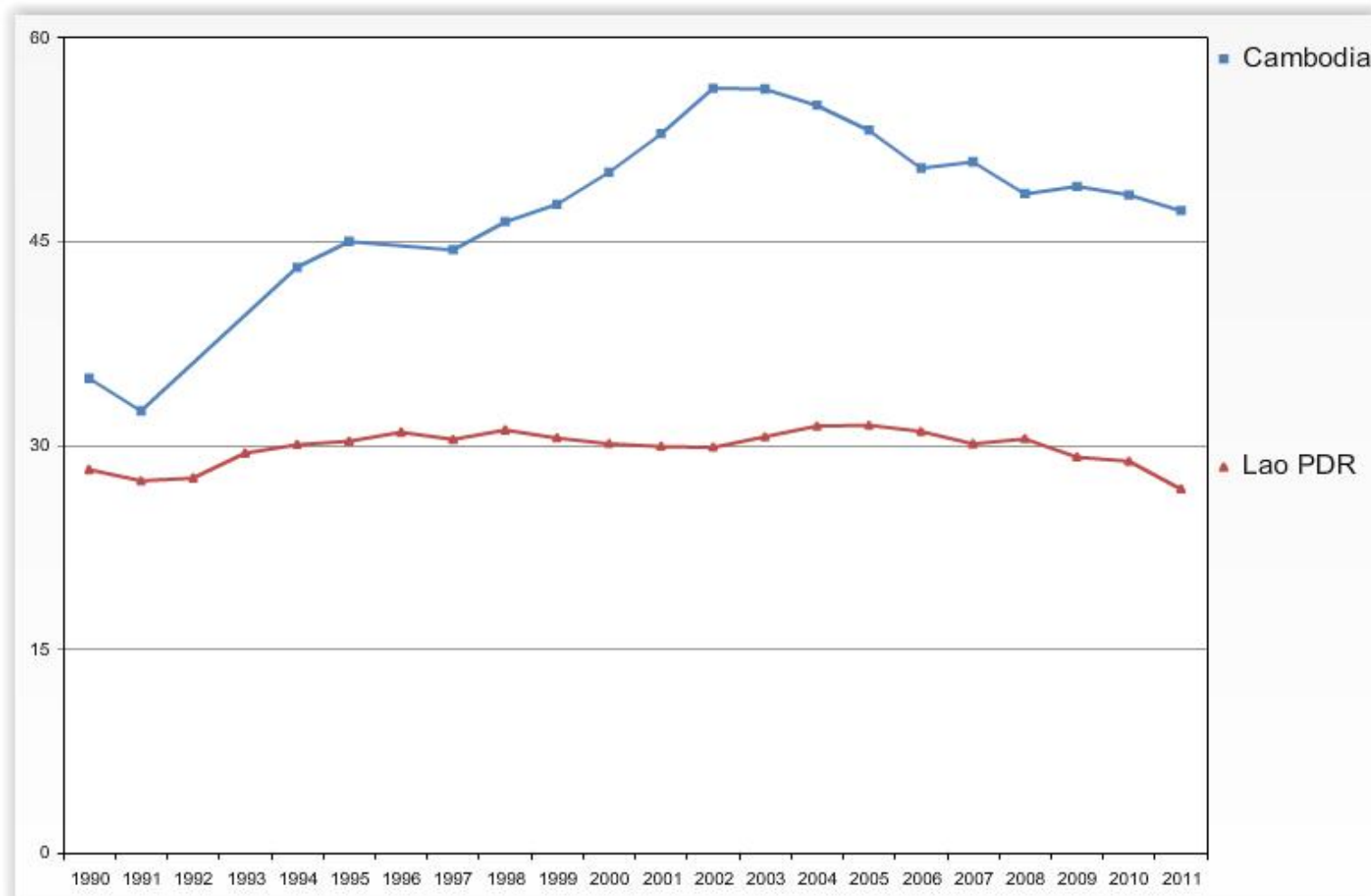


PRIMARY EDUCATION COMPLETION RATE





PRIMARY EDUCATION TEACHER-PUPIL RATIO QUALITY OF EDUCATION?





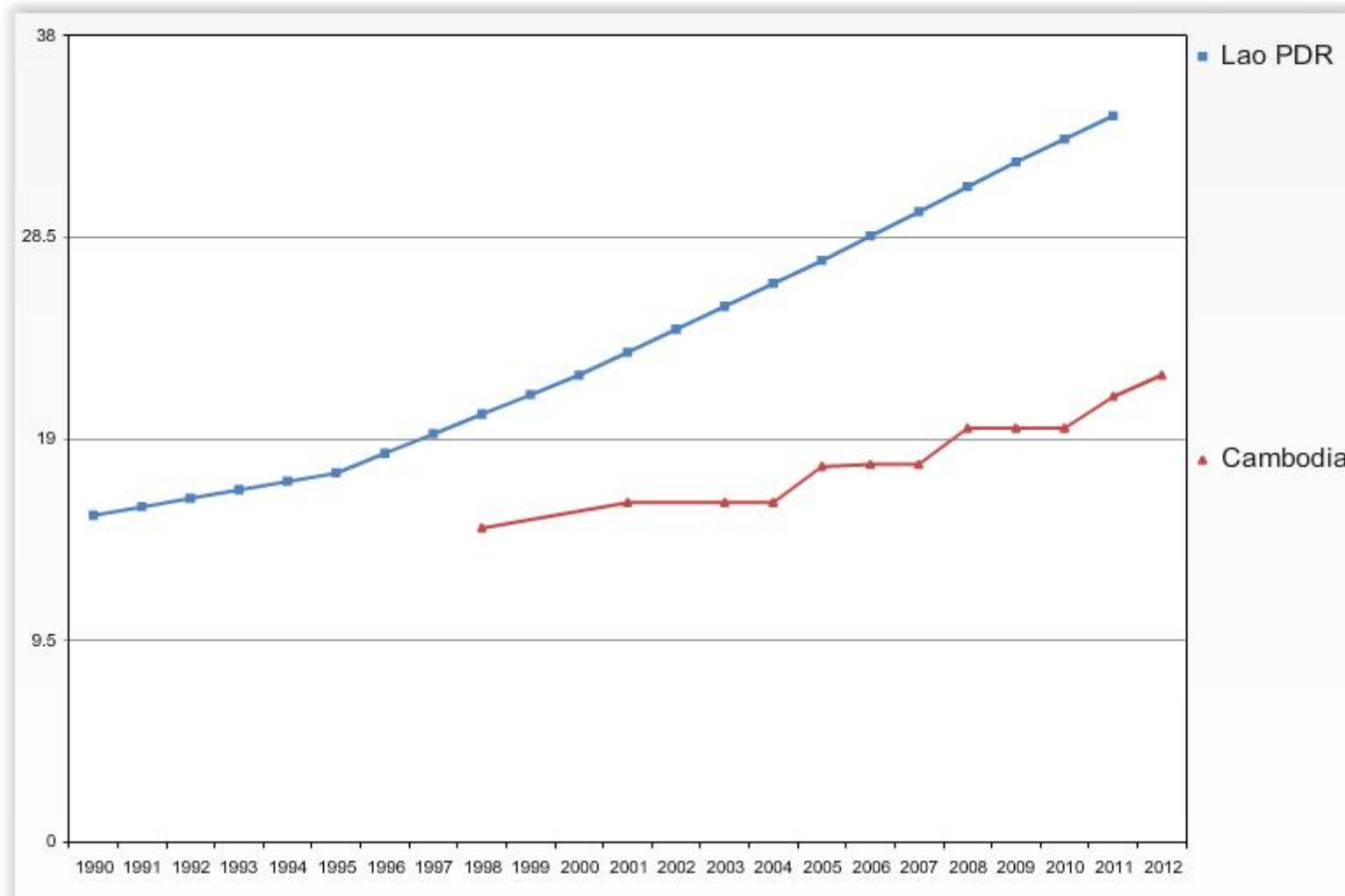
URBANISATION AND EMPLOYMENT

- **Rapid urbanisation is an important trend**
- **What are employment opportunities for urban population**
- **How is the education of young people organised?**
- **How is the health care organised**
- **Housing?**



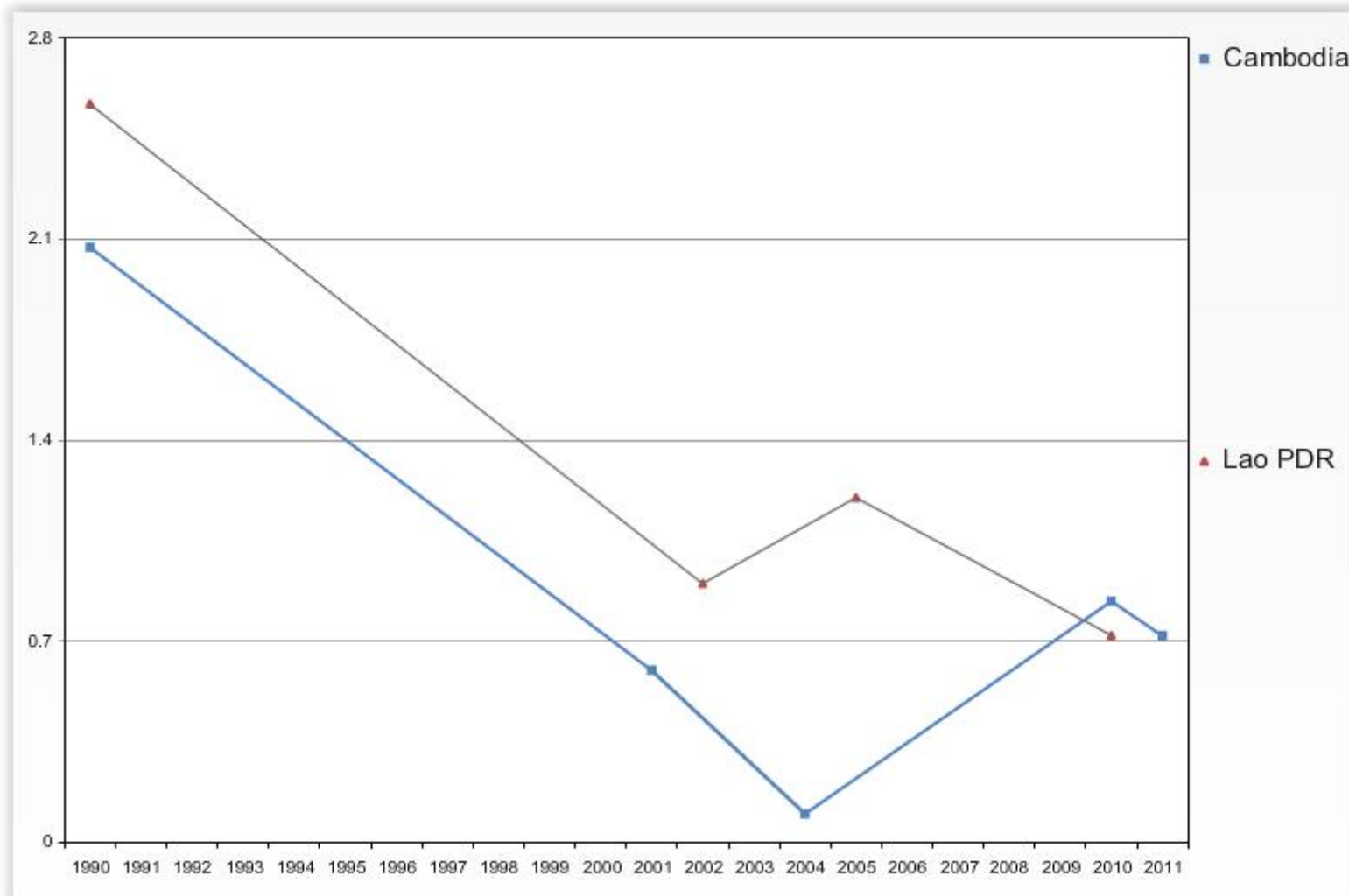


URBANISATION RATE





HOSPITAL BEDS PER 1000





HOW TO BALANCE ECONOMIC GROWTH, SOCIAL DEVELOPMENT AND ENVIRONMENT

- **Balance of payment**
 - **Export earnings**
- vs.**
- **Local livelihood problems**
 - **Environmental problems**





THE KEY QUESTION

**How to balance
different development
needs of different
groups of people.**





Green Economy Transitions in the Least Developed Countries (GET-LDC)

Multi-scale Analysis of Energy and Forest use in Laos and Cambodia

The **objectives** of the project are:
1. To develop a research **framework** to analyse the **nexus** of green economy and natural resources management taking into account the climate policy objectives.





2. To apply this **framework** to study **Laos** and **Cambodia** which are under pressure of intensifying their resource extraction





3. To analyse what kind of implications **green economy** agendas have on **forest** and **energy sectors** through a multi-scale analysis:

- *International scale*
- *National scale*
- *Local scale*





4. To assess how forest and energy sector policies **intersect** in the context of **inclusive** green economy **objectives**.





5. To develop and evaluate **future scenarios** for green economy in energy and natural resources management for Laos and Cambodia





6. To address **climate change** and climate change policies as a **cross-cutting issue** in the energy and forest sectors





7. Compare experiences of Laos and Cambodia and analyse in what ways they are relevant for other developing countries





8. Evaluate the relevance of the results for Finland's development policy and the relevance for other development actors





9. Strengthen the local **research capacity and international academic collaboration**





THANK YOU

