



# **China- Finland ICT Alliance Planning Workshop**



# Future Smart Metering runs on Open Source

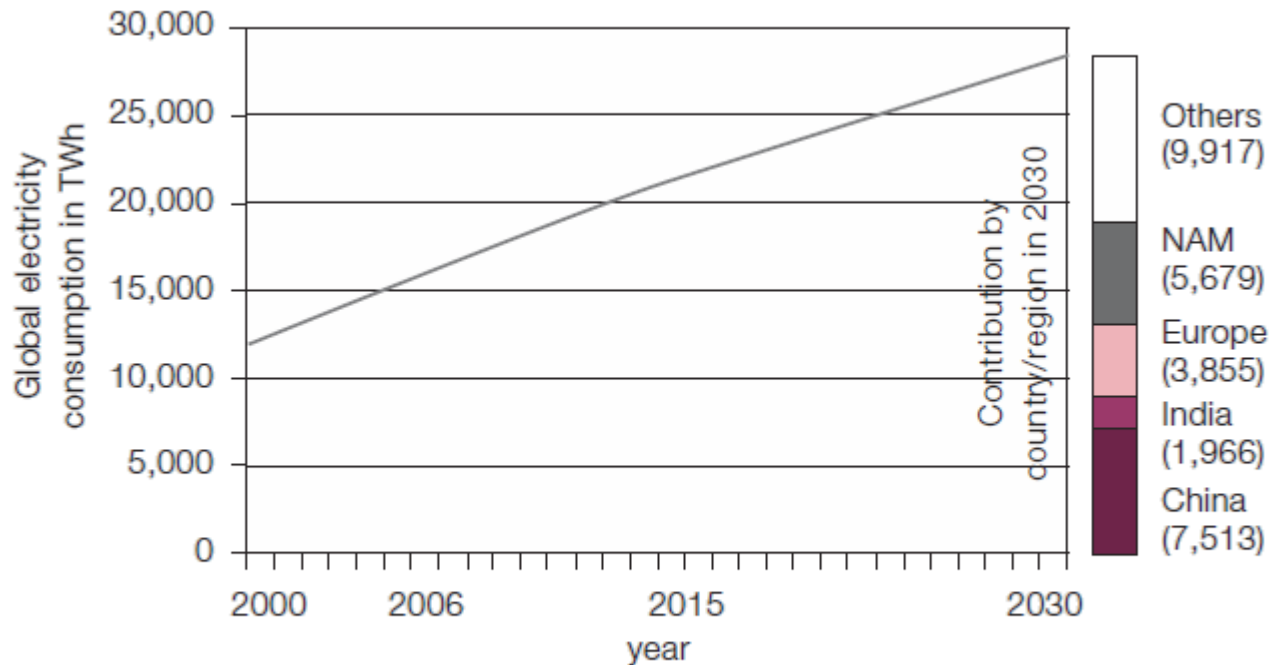


## GURUX in short:

- Founded in 1998
- Meter Reading
- Protocols know-how
- Not device manufacturer
- Flexible components
  - Open Source Community



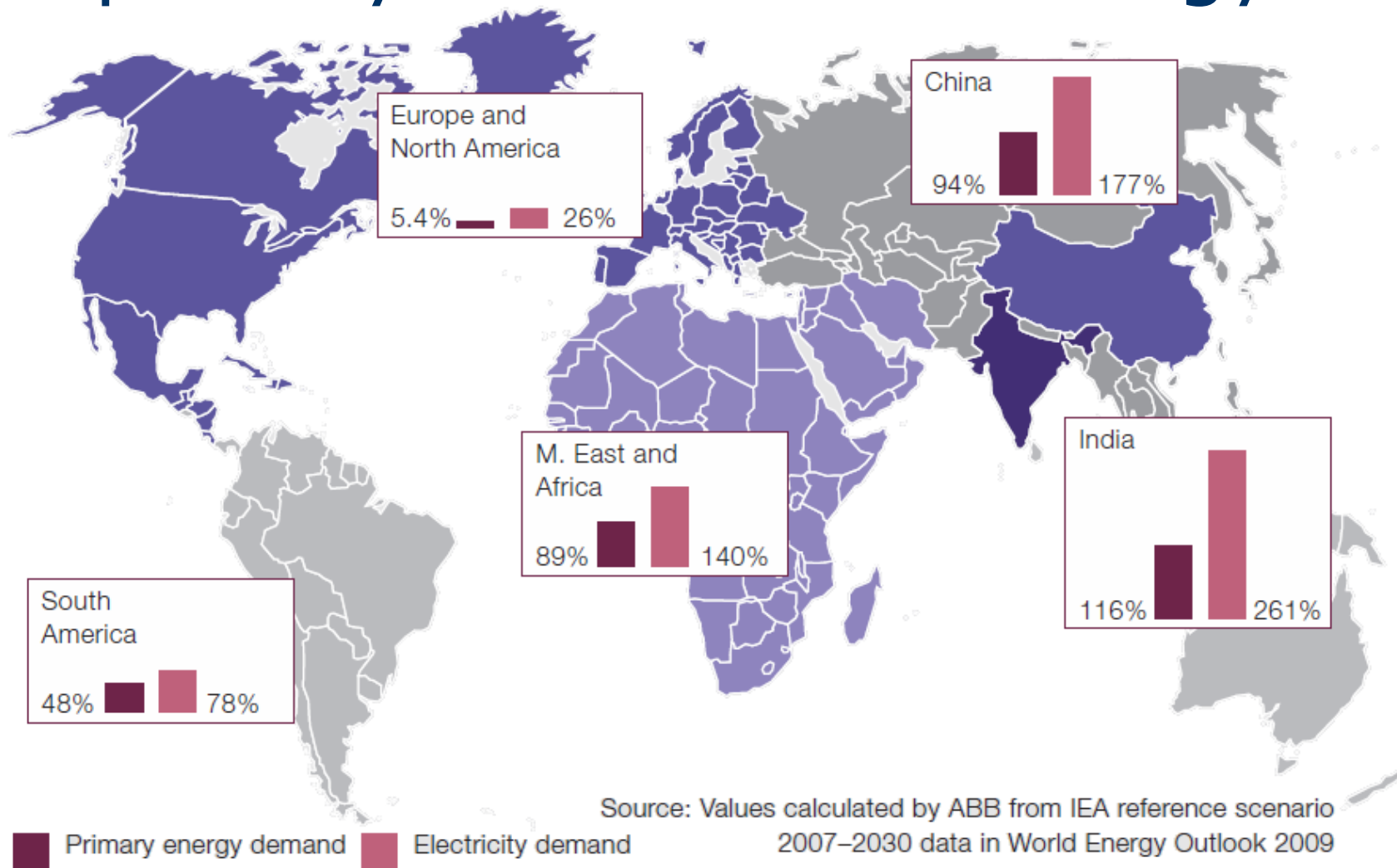
# Global and regional electricity consumption



Source: IEA reference scenario in World Energy Outlook 2009



# A demand growth comparison of primary and electrical energy



# Electricity Market in China

Five state-owned power generators sell power directly Grid companies

- State Grid (SGCC)
- China Southern Power Grid (CSG)

SGCC and CSG control 76,8% electricity retail market and nearly 100% transmission and distribution.



# Problem in Nutshell

- Need of electricity is growing FAST!
- All major cities are in East coast.
- 80% of Water power is in West coast.
  - Long distances





# Solution

# Smart Grids

- Part of five-year plan
  - 2009-2011 Planning phase
  - 2011 -2016 Demo phase
  - 2016-2020 Implementation



Start meter  
reading today!



# *GuruxAMI*

## *Advanced Measuring Infrastructure*

- *AMR can monitor,  
AMI can control.*
- *Planned to handle  
huge amounts of  
meters*





# Gurux actions in China

- Participate Tekes Groove project.
  - ✓ Jari Vepsäläinen helps us in Hong Kong
- Support for DL/T 640-2007 released before summer.
- Cooperation with Chinese Universities.
  - GuruxAMI is Open Source



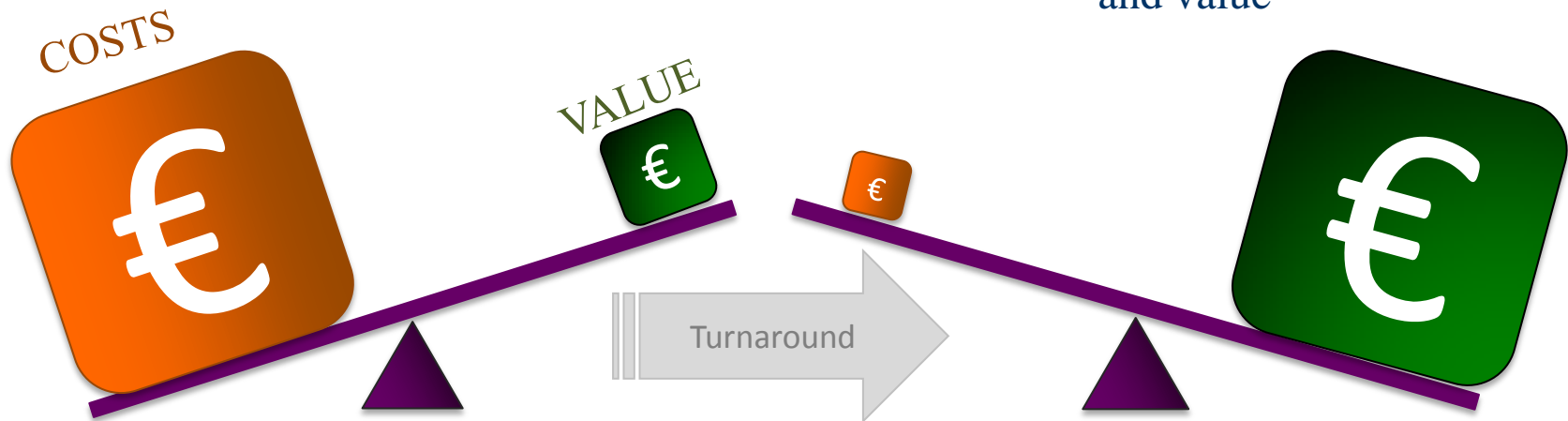
# Mission of Gurux is to create more value to your data

## CURRENT SITUATION:

Costs and efforts on data collecting are high without Value of the data

## SITUATION WITH GURUX SOLUTIONS:

There are no more data collecting investments – focus on data utilization and value



謝謝  
**Thank You**

