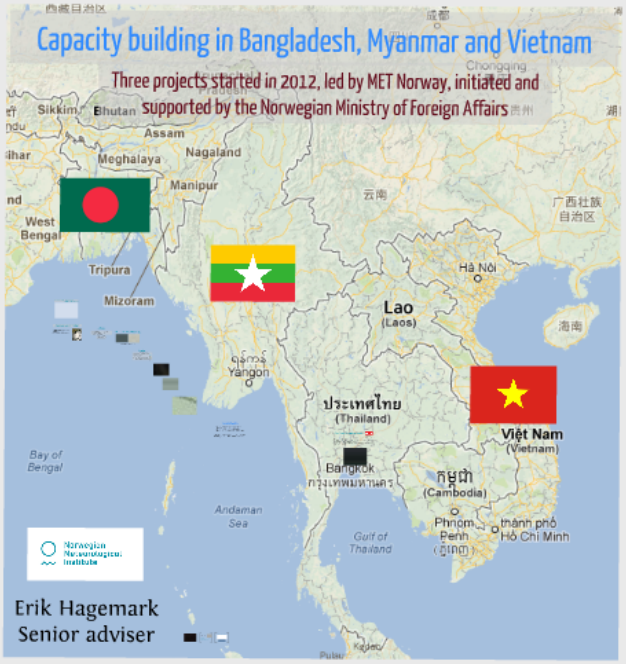
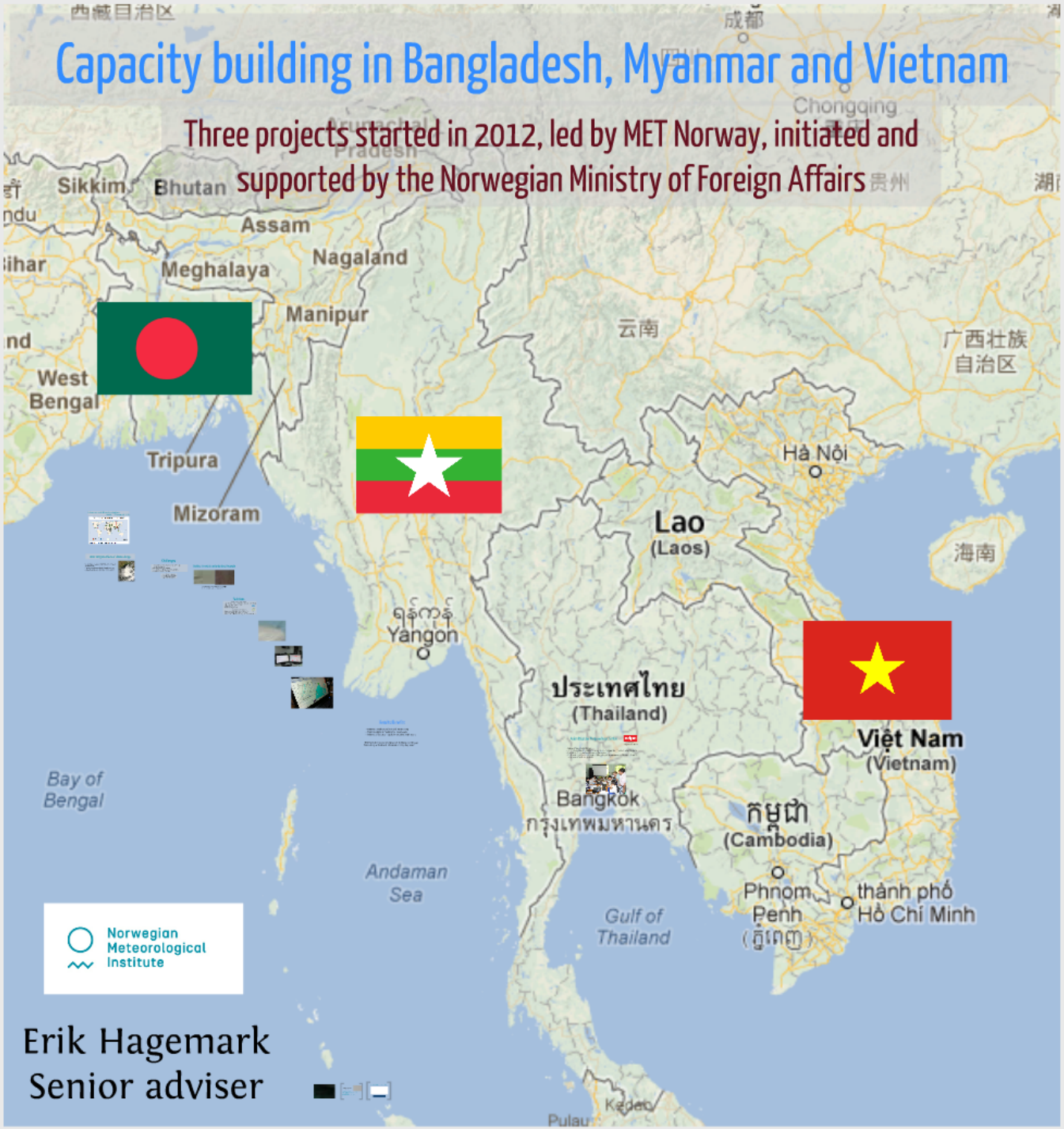

Capacity building in Bangladesh, Myanmar and Vietnam
Three projects started in 2012, led by MET Norway, initiated and supported by the Norwegian Ministry of Foreign Affairs
Sikkim
Bhutan
Assam
Meghalaya
Nagaland
Manipur
West Bengal
Tripura
Mizoram
Lao (Laos)
Hà Nội
Yangon
ประเทศไทย (Thailand)
Việt Nam (Vietnam)
Bay of Bengal
Bangkok
กรุงเทพมหานคร
กัมพูชา (Cambodia)
Andaman Sea
Gulf of Thailand
Phnom Penh
Thành phố Hồ Chí Minh
Erik Hagemark
Senior adviser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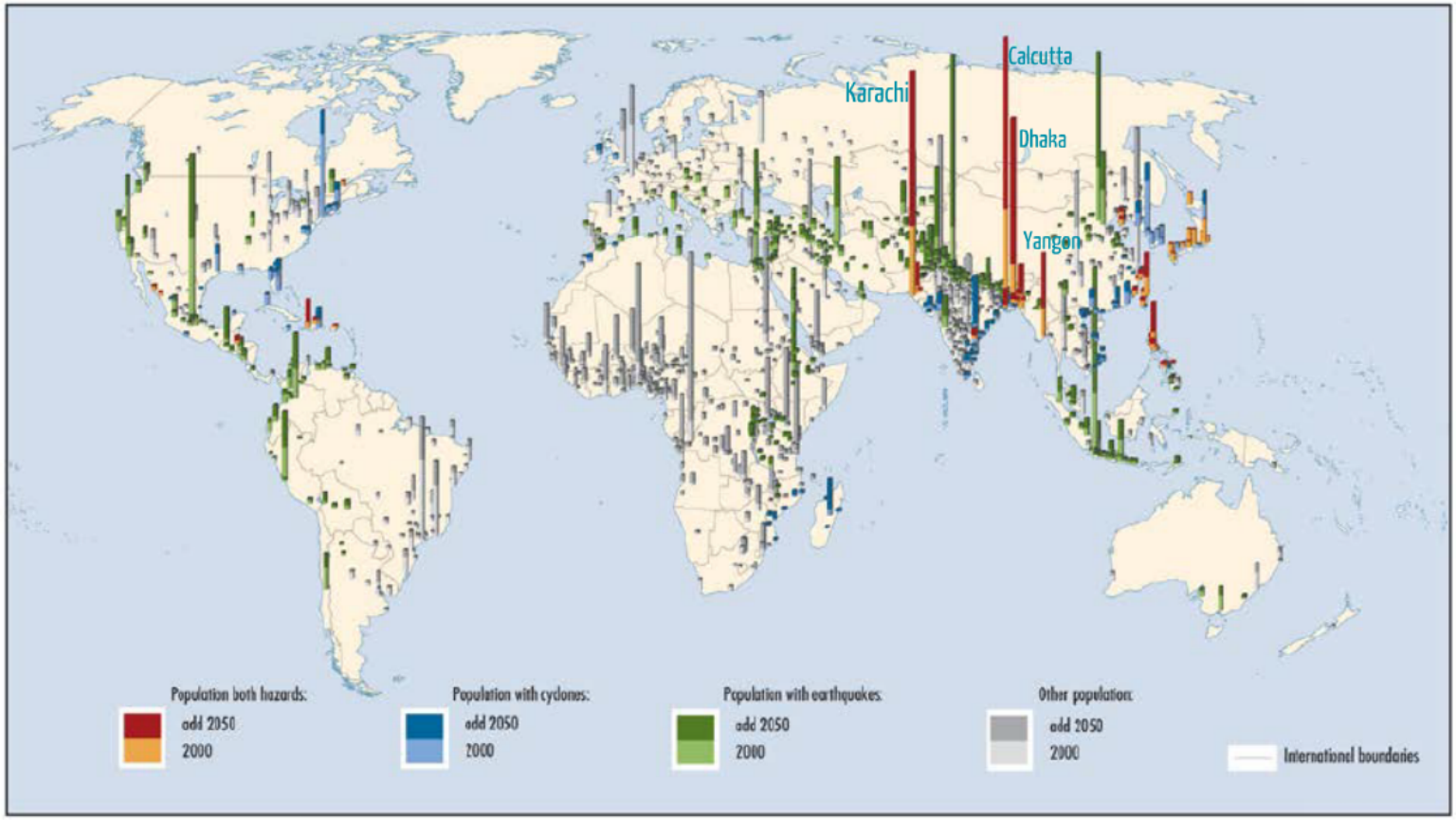
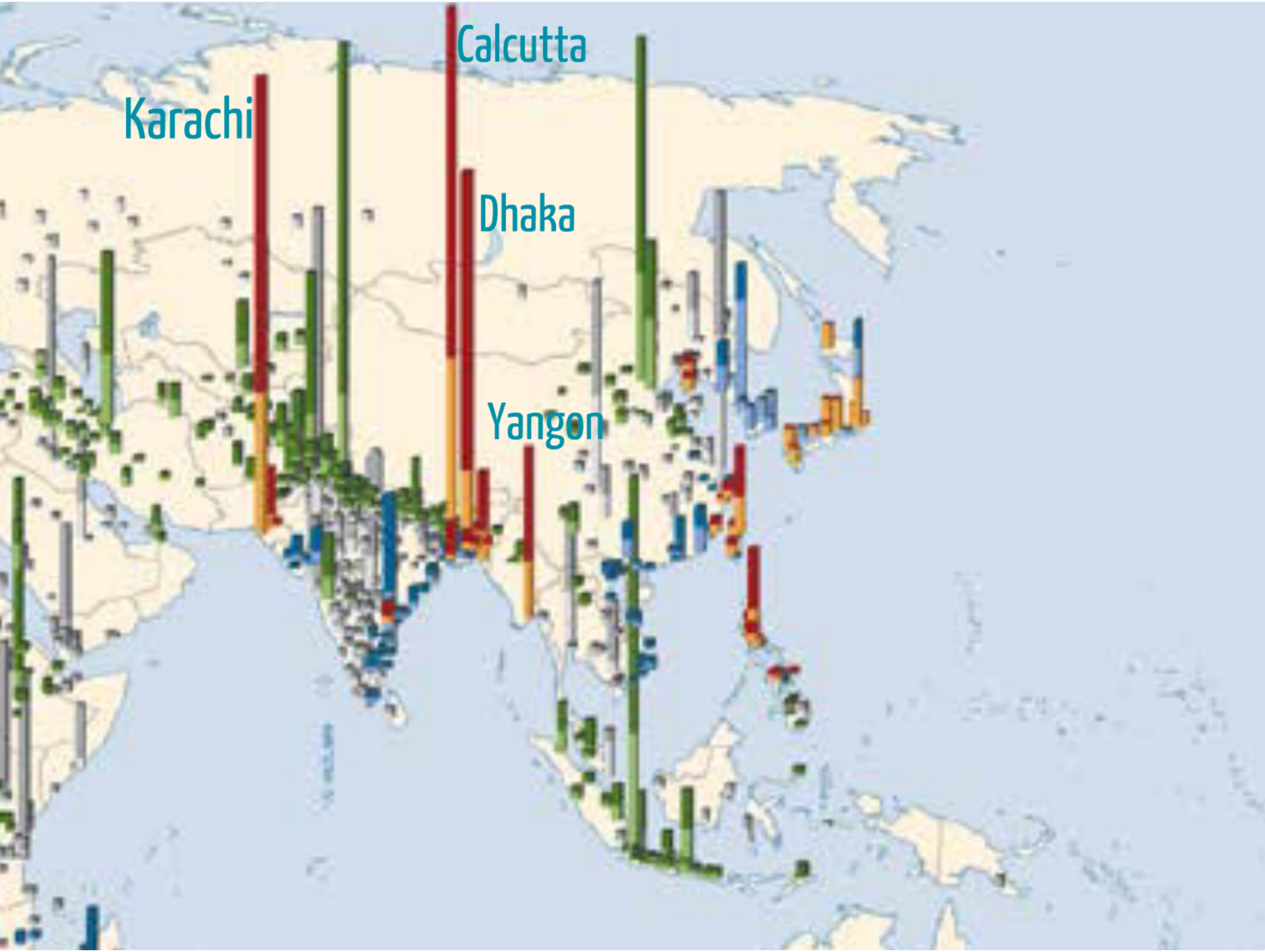
Norwegian Meteorological Institute
Erik Hagemark
Senior adviser

In the future more people will be affected by natural hazards
- estimated to 1.5 billion people within 2050

Figure 12: Exposure to cyclones and earthquakes in large cities in 2000 and 2050

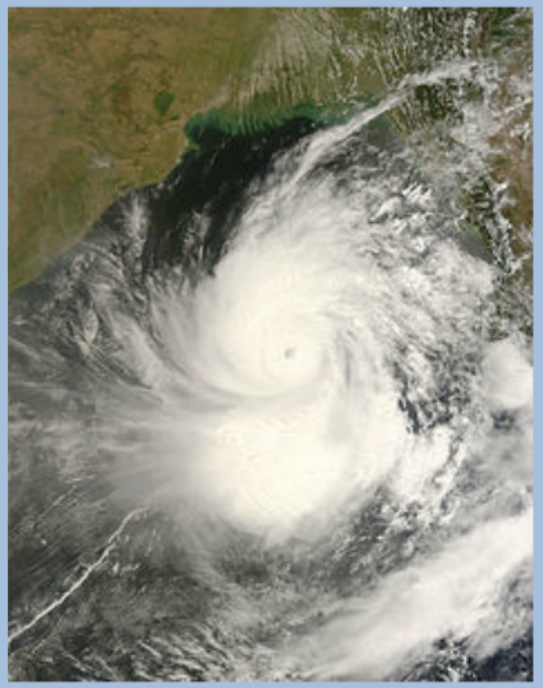


Note: Map produced by Brian Blankespoor, DECRG; see also World Bank (2010).


Calcutta
Karachi
Dhaka
Yangon

GOAL: mitigate effects of climate change

- Contribute to capacity building and product development
- Focus on **early-warning & climate services**
- Strengthen the social mission of the NMHS



Challenges

- Little or no integration between obs and forecasting
  - Many data formats
- Black-boxes/commercial software
- No or little technical support (no IT department)
- No systematic forecast verification

- Large distances between us
- Language & culture issues
- Organizational structure

Building the institution by building the people

Build trust & mutual respect for knowledge
Listen & understand --› than propose

Solutions

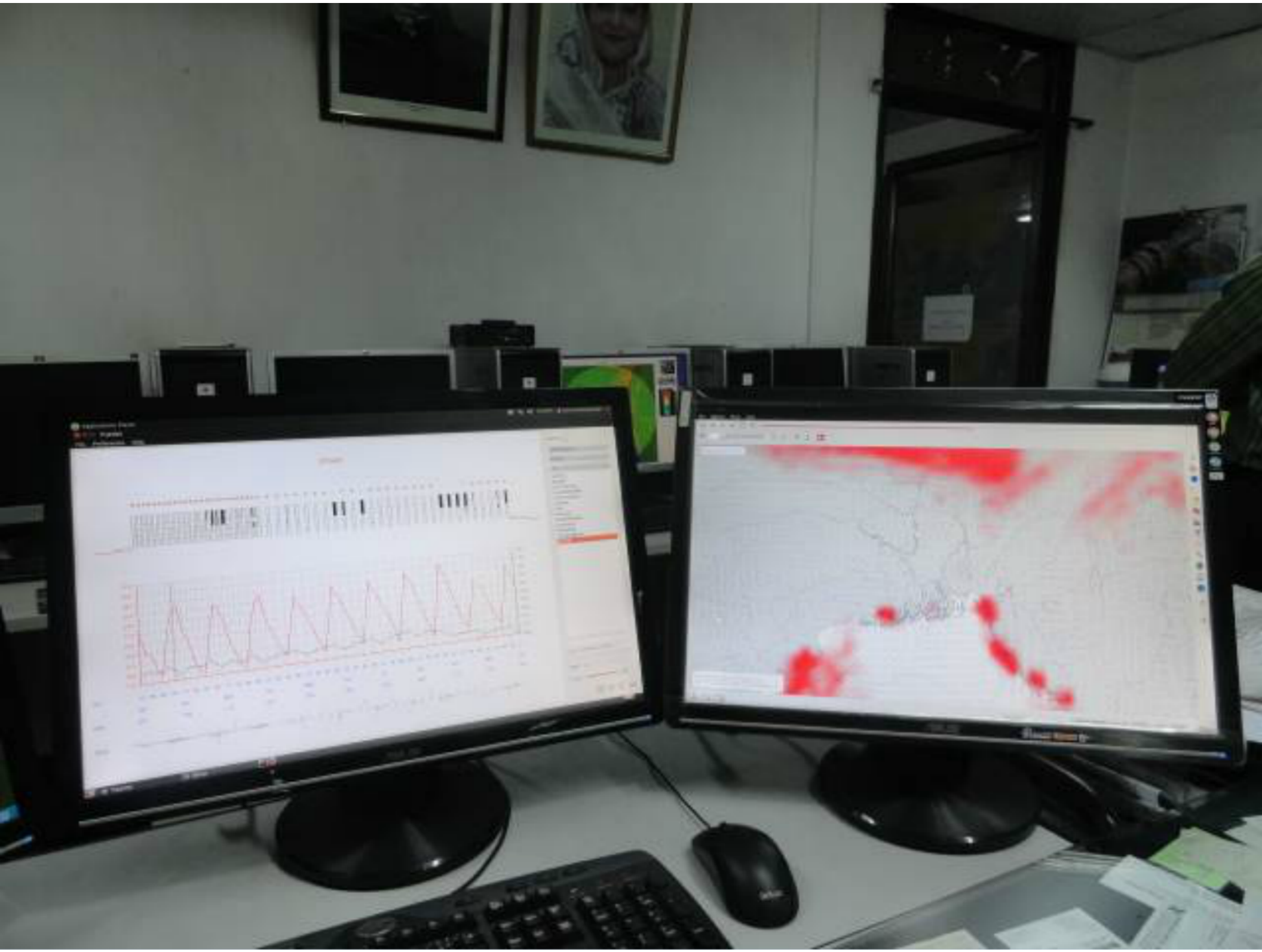
Early-warning operational services:

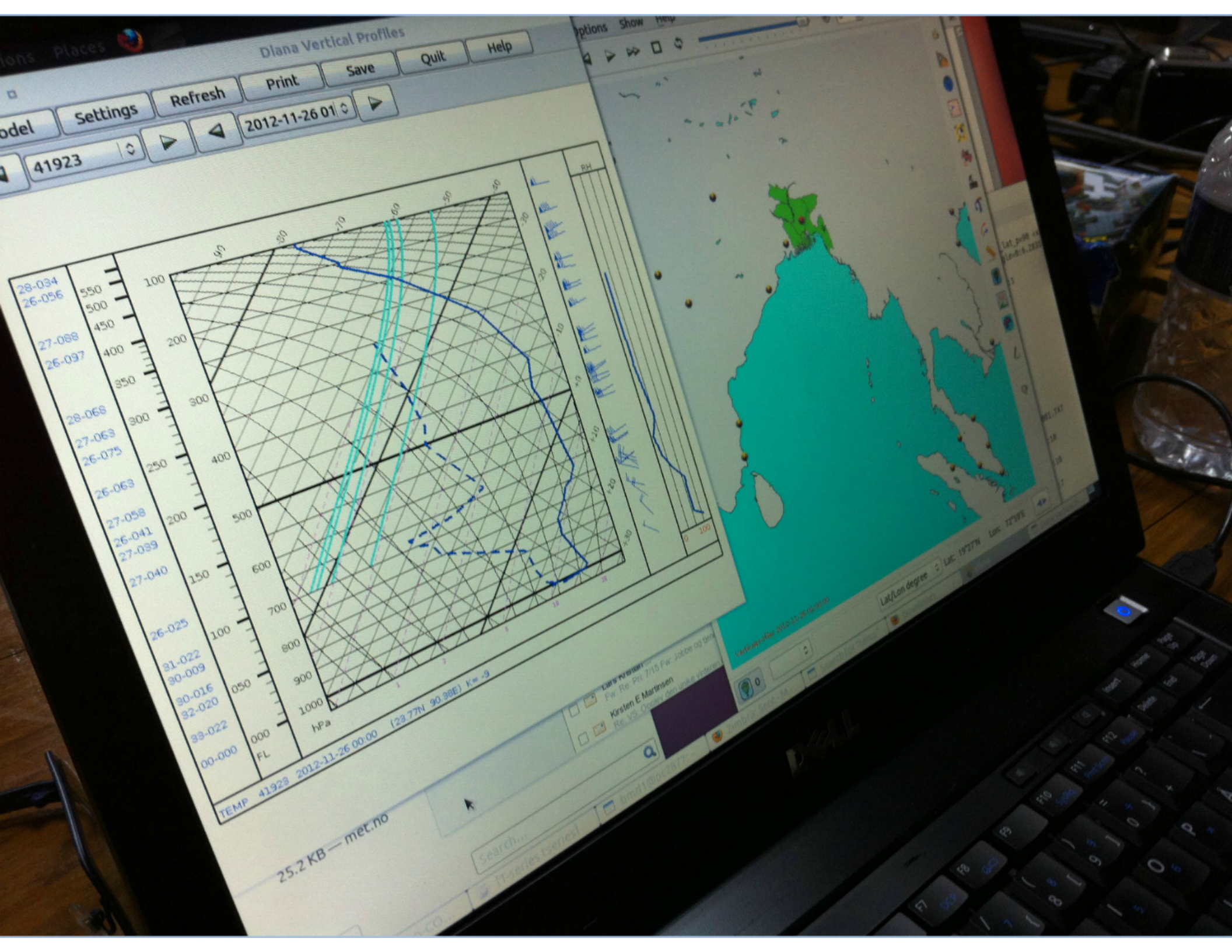
- Implementation and use of a integrated forecasting tool (Diana)
- Build experience in the use of NWP
- Forecast verification
- Ocean modeling (Vietnam)

Climate products and services:

- Digitization and homogenization of climate data
- Climate product generation & R statistical tool
- Assistance in establishing and using a climate database (portal)

Notes
Osami




Diana Vertical Profiles
Quit
Help
Save
Print
Refresh
Settings
2012-11-26 01
41923
RH
hPa
TEMP 41923 2012-11-26 00:00
25.2 KB — met.no

Results/Benefits

- Improve weather analysis and monitoring
- Improve decision making for forecasters
- Improve effeciency - spend more time with users

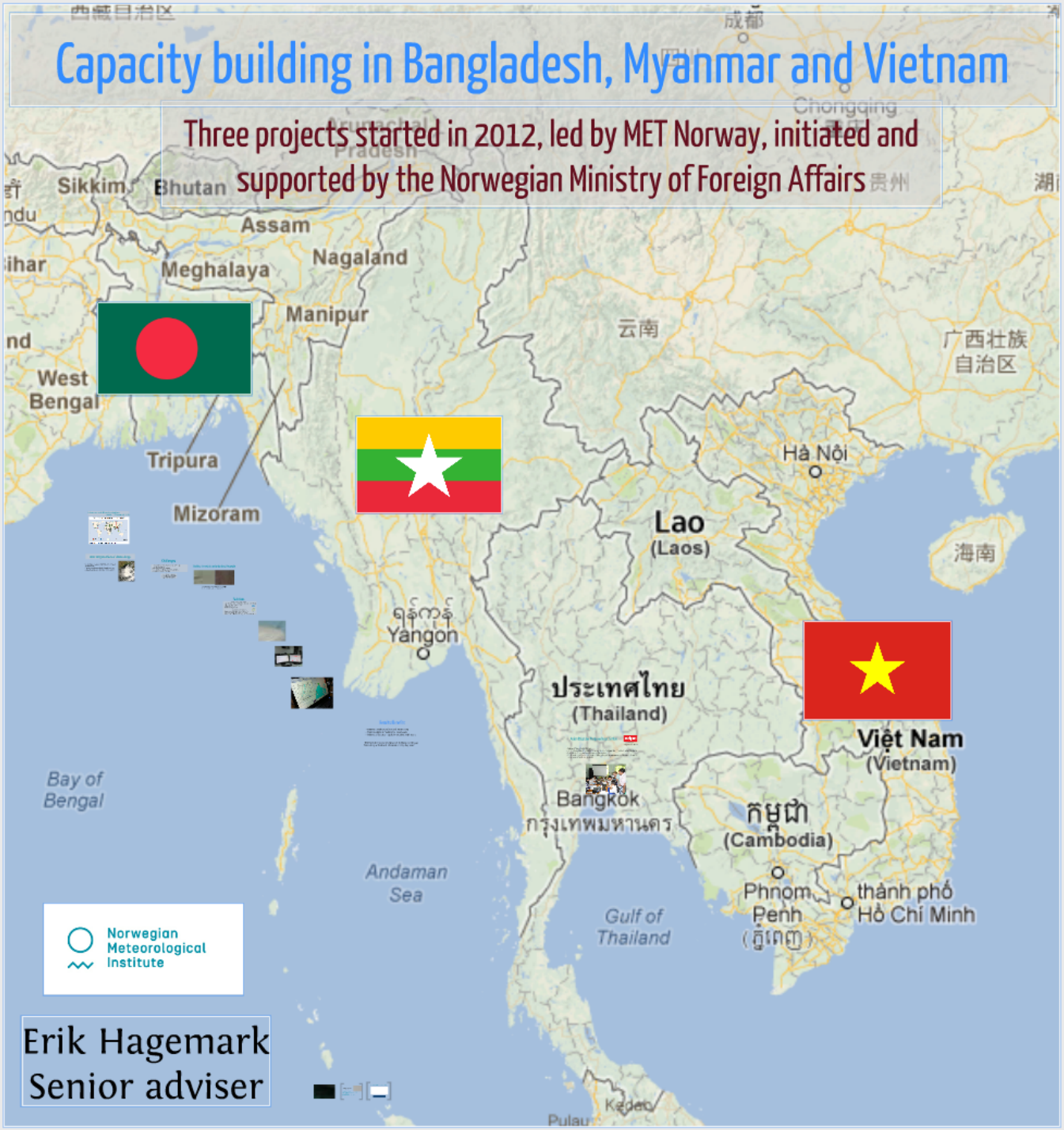
”DMH are able to use and practice in Diana for 10-days forecasting and using in discussion every day now.”

Asian Disaster Preparedness Center

siden 1986

Bangkok, Thailand

- Support from several donors
- Aim: - strengthen the ability for a country to mitigate the impact of natural hazards
- Provides training and workshops in the region
- Collaborating with the capacity building projects in Myanmar and Vietnam. Plans for collaboration with Bangladesh

Capacity building in Bangladesh, Myanmar and Vietnam

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