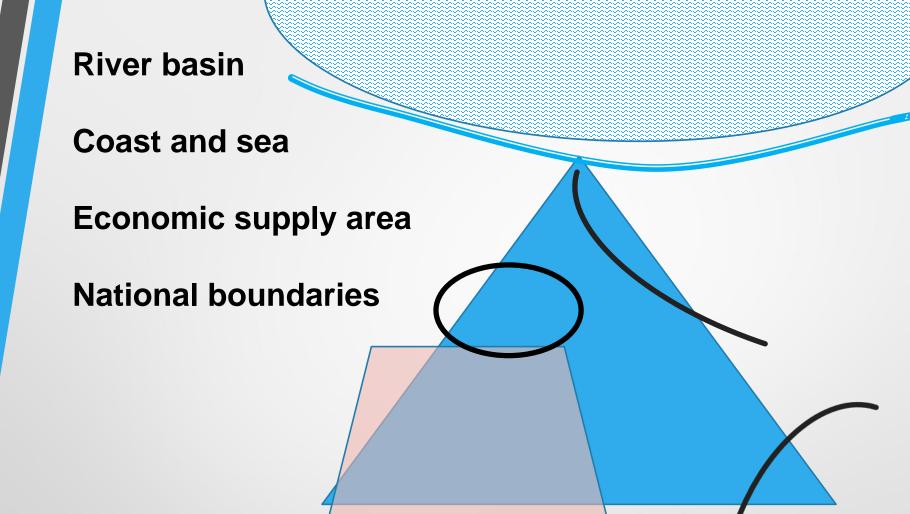


Planning for water or for development Hydro-centric or hydro-supportive approaches to food, energy and water security?

- Get the geography right
- Respect political boundaries and other sectors
- Make coordination work between right parties
- Support, don't try to decide
- Some examples
 - Water Security: the Lesotho Highlands Water Project
 - Food Security: Malawi's Zambezi port
 - Energy security: Zambezi hydropower failures
 - Some take-away lessons



Water security: Where should institutional boundaries lie?

Lesotho Highlands Water project

- Additional supply to Gauteng/Vaal supply area
- Water security for South Africa's economy
- Much outside the Orange/Vaal river basin
- Treated wastewater to energy projects in other basins
- Planning focus:
 - Economic and social drivers
 - Supply and conservation alternatives (other basins as well)
 - Recognise Lesotho's need for fiscal sources
 - Basin includes 2 other countries with no substantial interests
 - Implementation organisations bilateral SA/Lesotho
 - River basin organisation not involved



Mozambique: Malawian Military Attache Detained, and Released

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Maputo — The Mozambican authorities have confirmed that the police did indeed arrest the Malawian military attaché, Colonel James Kalipinde, on the Shire river, in the centre of the country, on Friday - but let him go as soon as they realised he was a diplomat.

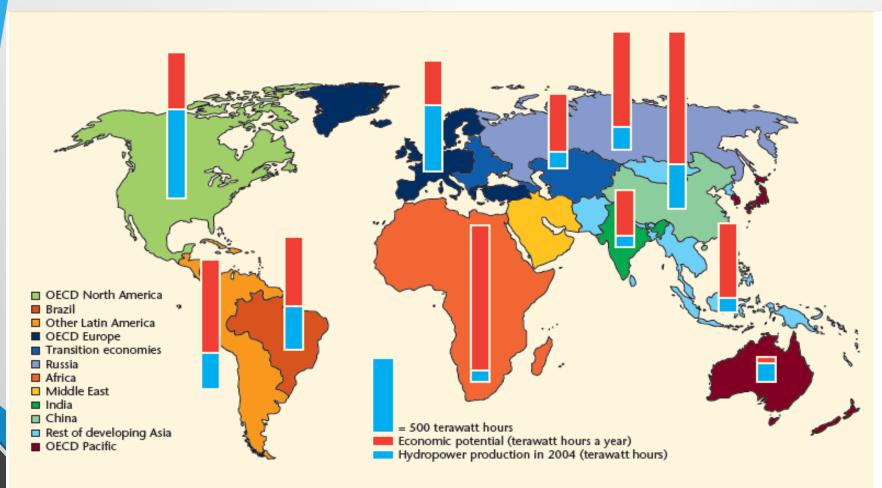
A spokesperson for the office of Mozambican President Armando Guebuza told AIM that Kalipinde was in a boat heading up the Zambezi and Shire rivers towards the Malawian river port of Nsanje.



Malawi's navigation on Zambezi

- Most serious transboundary conflict in SADC for decade
- Malawi official arrested on river on way to port opening
- Port built on Zambezi tributary without Moz concurrence
- Mozambique building rail and port to export coal, will open agricultural opportunities and <u>support food security</u>
- Offered Malawi participation and access to sea
- ZAMCOM played no significant role
- Multi-sector development planning problem not just water issue
- Needed bilateral political engagement, inter-sectoral structures

World potential and current hydropower production, 2004



Source: IEA 2006.

Zambezi: failure to mobilise hydropower

- Zambezi hydropower a political goal since SADCC 1980
- Substantial potential identified
- Region's best potential source of (clean) energy security
- Demand projected to exceed supply in 2007
- No agreements between potential producers and users
- Feasibility and design started too late
- Basin planning failed to engage with opportunities
- Electricity planning not coordinated with water
- Loss of trust set back regional integration a decade (SAPP)
- Needed inter-sectoral regional planning and coordination not river basin planning



The result of poorly coordinated regional development planning – it should have been hydropower

Take-away lessons

- River basins seldom locus of development decision-making
- Sovereignty not delegated development happens through coordination between national governments concerned
- River basin organisations can support with information & options and facilitate engagement where helpful
- Hydro-centric approaches are not helpful
 - development plans made for political geographies not river basins
- Hydro-supportive approaches are effective where they
 - Engage with water using sectors
 - provide sound technical basis
 - inform inter-sectoral national and regional development



Thank you