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of Material Fluxes and of Resources



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DRESDEN

ADVANCING A **NEXUS APPROACH**
TO THE SUSTAINABLE MANAGEMENT
OF **WATER, SOIL AND WASTE**



INTERNATIONAL
KICK-OFF WORKSHOP

11-12 NOVEMBER 2013
DRESDEN, GERMANY



ADVANCING A **NEXUS APPROACH**
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OF **WATER, SOIL** AND **WASTE**

NEXUS GOVERNANCE IN A MULTI-POLAR WORLD



Michele Ferenz, EastWest Institute



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A Changing Geopolitical Landscape

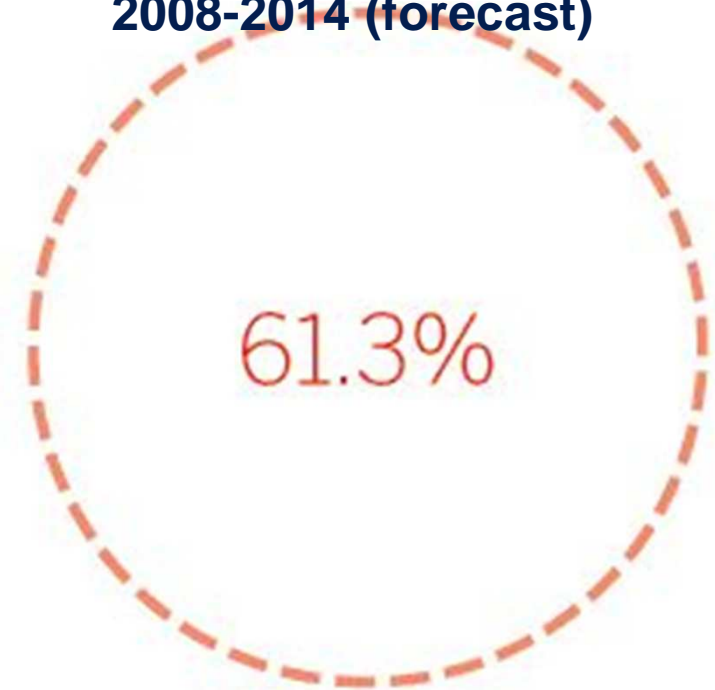




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SHIFT IN SHARE OF GLOBAL GROWTH

Share of global GDP growth
2008-2014 (forecast)

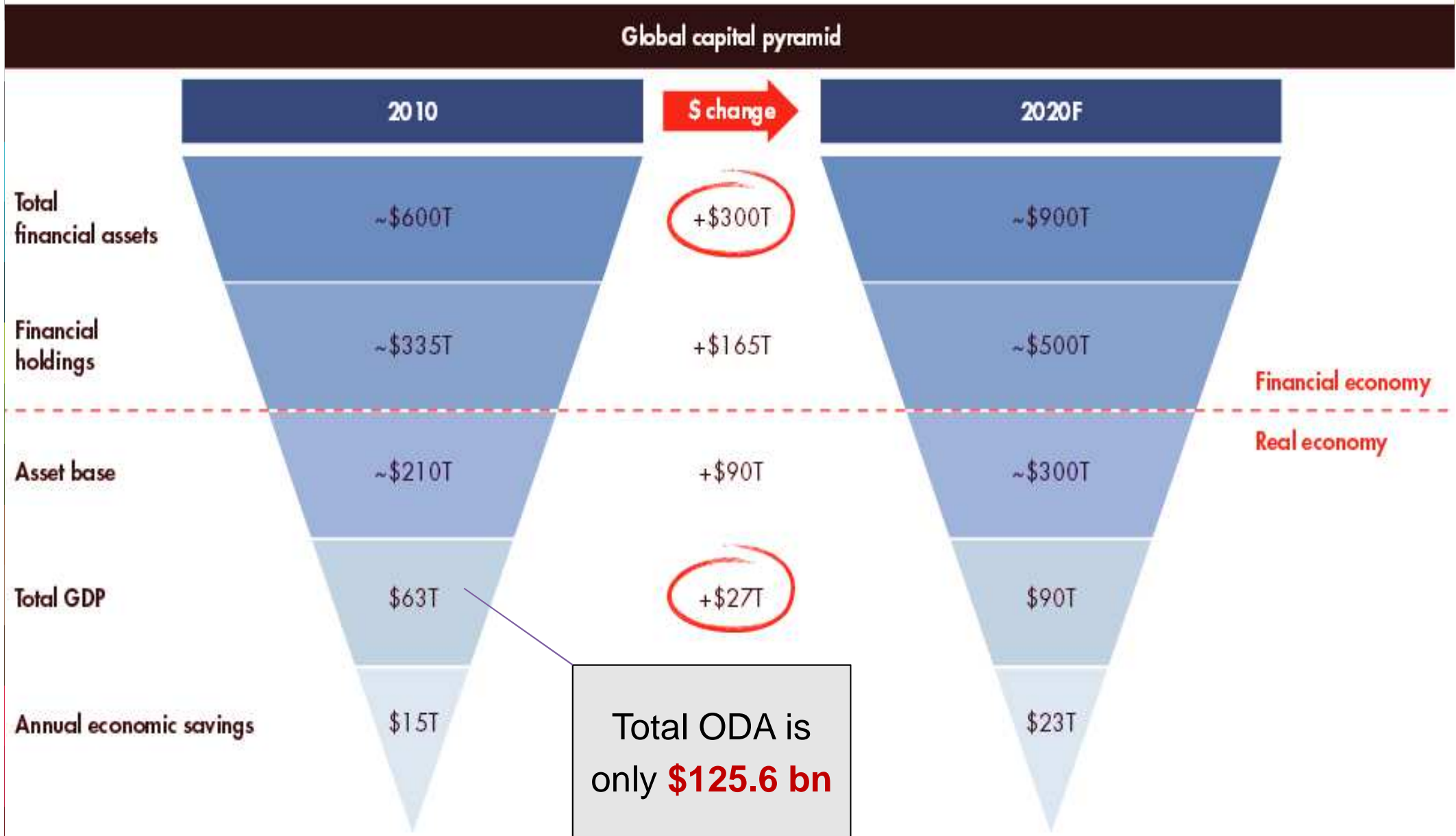


Source: IMF



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WHO HOLDS THE MONEY TO MAKE A DIFFERENCE?



Source: IMF, OECD, Bain, 2012

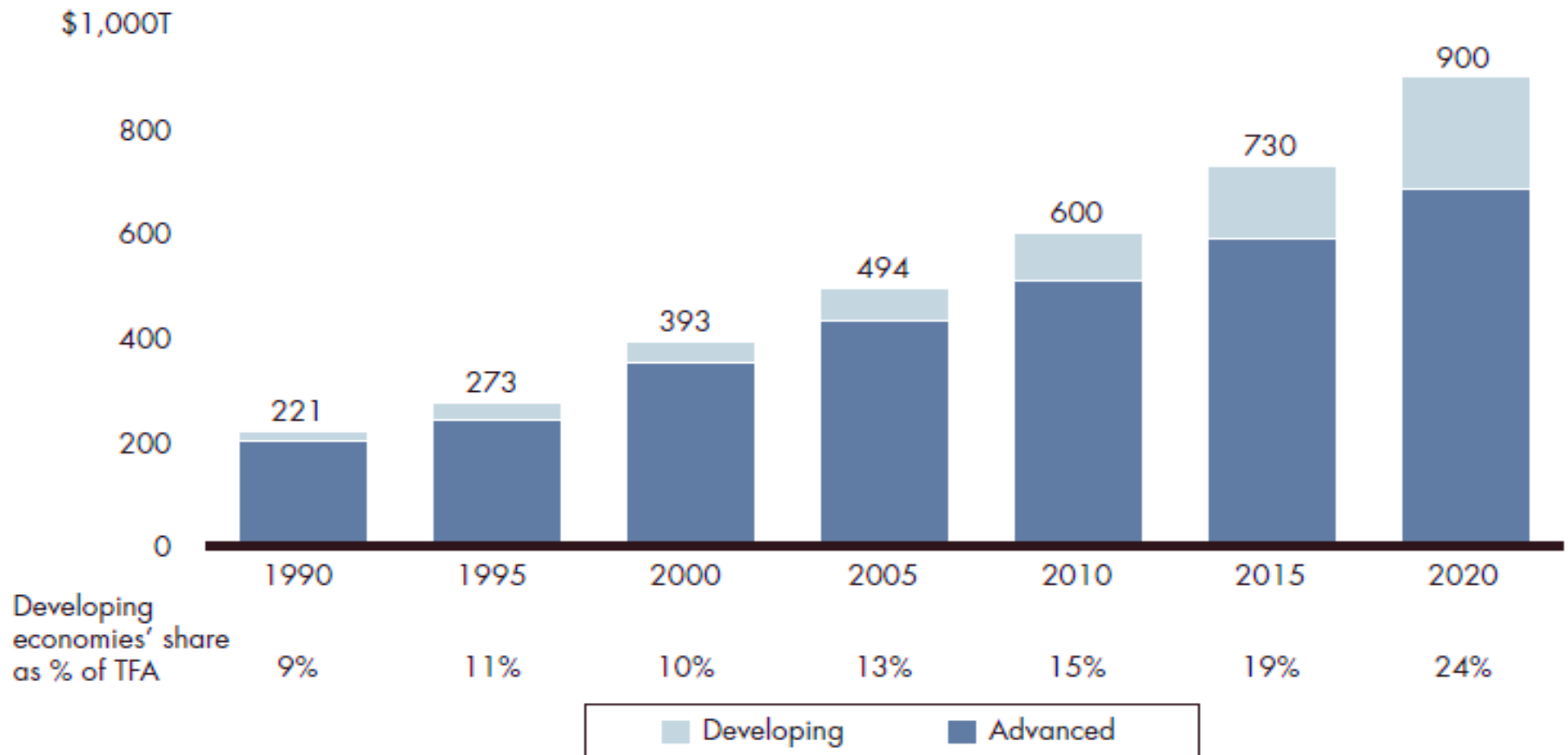


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SHIFT FROM WEST TO EAST ALSO IN FINANCE

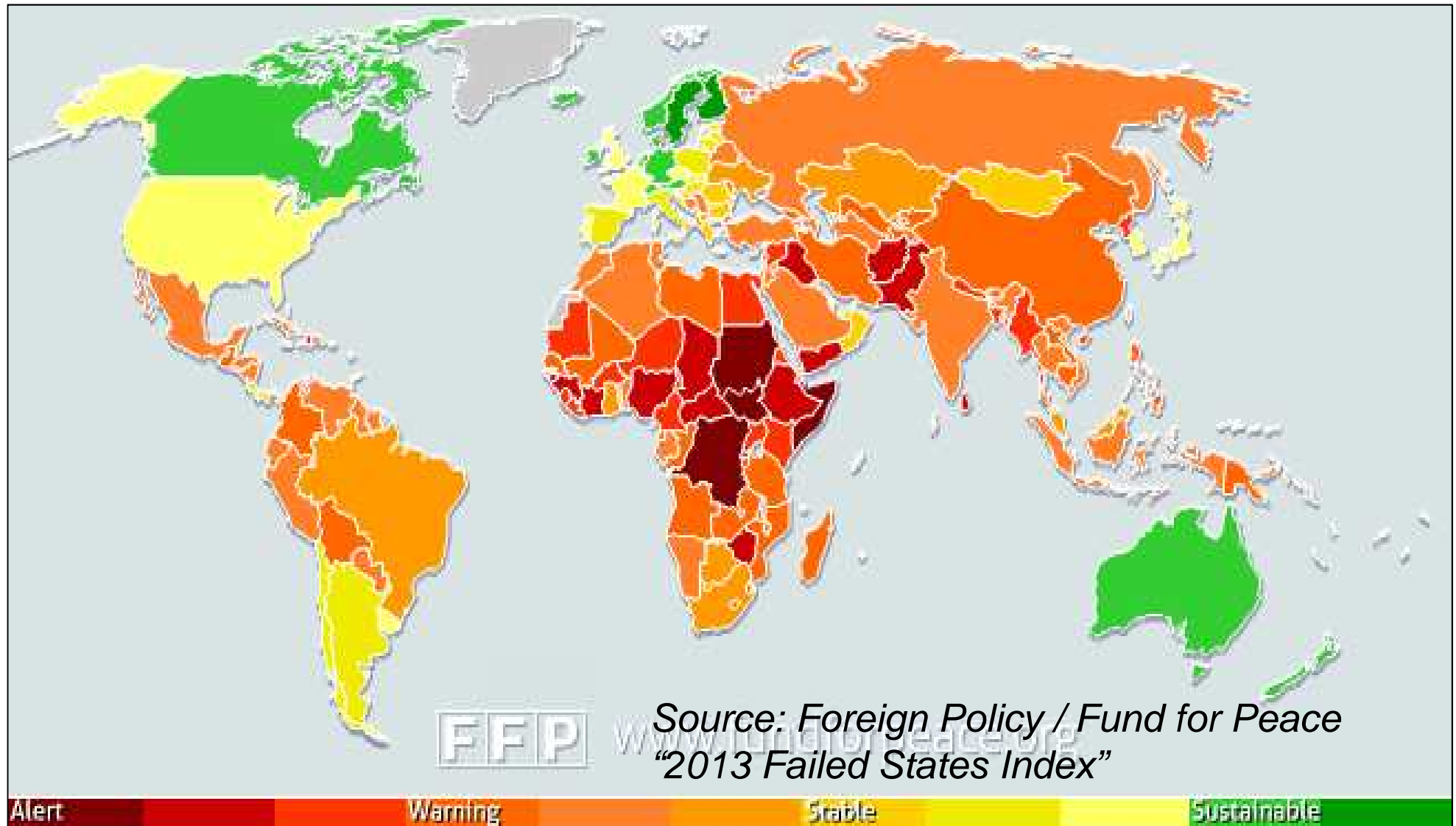
By **2020**, developing countries will account for
25% of global financial capital

Total financial assets (TFA), by level of development



Note: Values are rounded to \$900 trillion in 2020; represents all sectors, including financial corporations; values shown are in US dollars at the 2010 price level and market exchange rate

Sources: National statistics; International Monetary Fund; OECD; Bain Macro Trends Group analysis, 2012

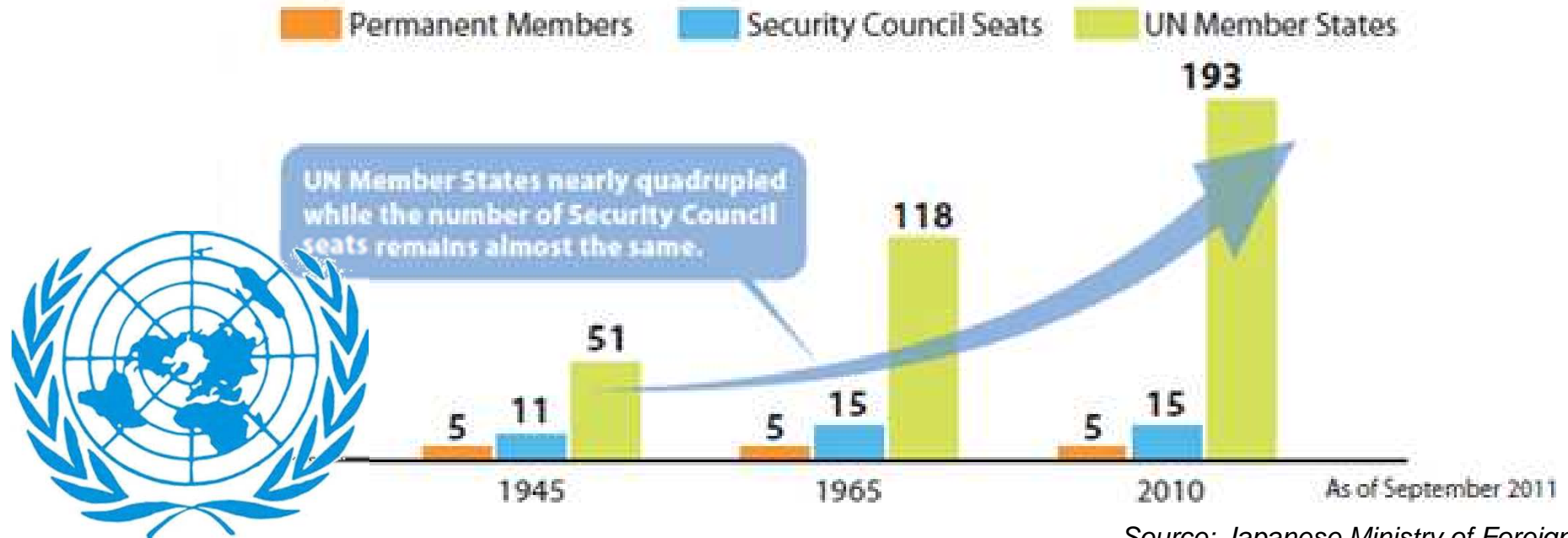




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CHALLENGE TO POST-1945 INSTITUTIONS

Number of UN Member States



Source: Japanese Ministry of Foreign Affairs

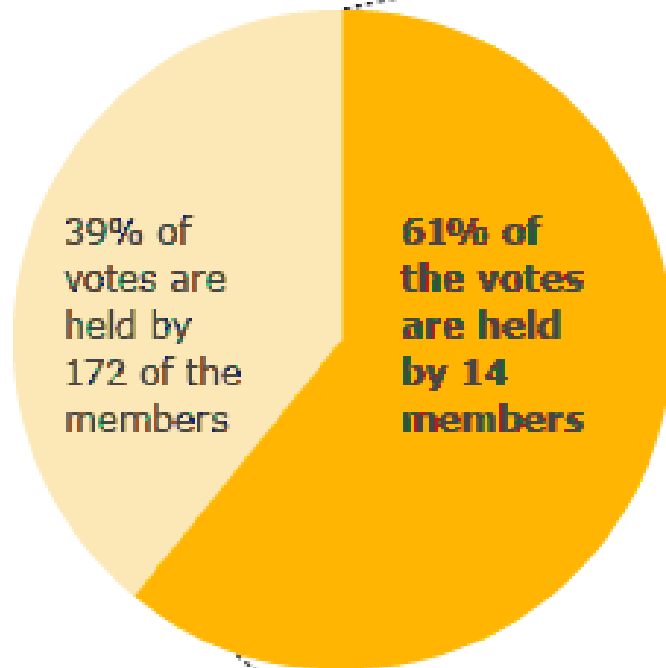




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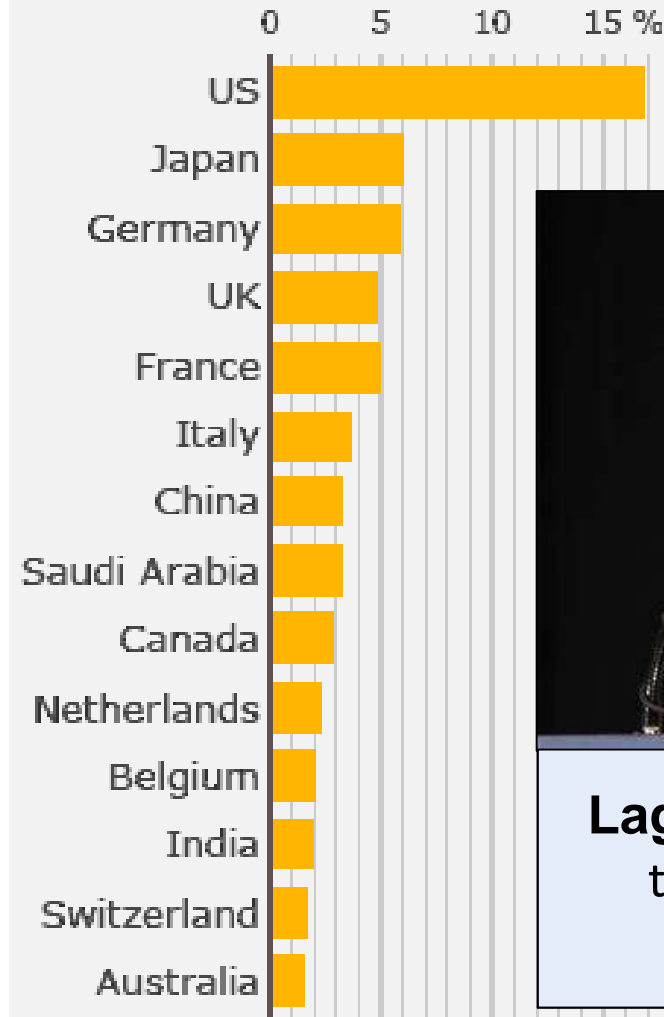
The Battle Over Institutional Reform

Breakdown of IMF votes



Currently, the EU, U.S. and Japan hold 55% of votes

IMF members with most voting power



Lagarde: "Quota reforms need the support of all our member countries, including the U.S."



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THE GROWTH OF REGIONAL ORGANIZATIONS

Europe

- European Union (EU)
- Western European Union
- Council of Europe (CoE)
- European Free Trade Association (EFTA)
- European Patent Organisation (EPO)
- European Science Foundation
- Group of 9 (G9)
- International Commission on Civil Status (ICCS)
- Central Commission for Navigation on the Rhine (CCNR)
- Council of the Baltic Sea States (CBSS)
- Assembly of European Regions (AER)
- Euroforum CERN
- European Fusion Development Agreement (EFDA JET)
- European Molecular Biology Laboratory (EMBL)
- European Space Agency (ESA)
- European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)
- European Southern Observatory (ESO)
- European Synchrotron Radiation Facility (ESRF)
- European x-ray free electron laser (European XFEL)
- Institut Laue–Langevin (ILL)
- European Organisation for the Safety of Air Navigation (EUROCONTROL)
- Baltic Marine Environment Protection Commission
- Belgium–Luxembourg Economic Union
- British–Irish Council
- Nordic Council
- Nordic Investment Bank
- Northern Dimension Partnership in Public Health and Social Well-being (NDPHS)
- Organisation for Joint Armament Cooperation (OCCAR)
- Agency for International Trade Information and Cooperation (AITIC)
- Visegrád Group (V4)
- EUREKA
- European Cooperation in Science and Technology (COST)
- Community for Democracy and Rights of Nations (Commonwealth of Unrecognized States)

Asia

- Asia Cooperation Dialogue (ACD)
- Asian Development Bank (ADB)

East Asia Summit (EAS)

- Association of Southeast Asian Nations (ASEAN)
- South Asian Association for Regional Cooperation (SAARC)
- Cooperation Council for the Arab States of the Gulf
- Colombo Plan
- Southeast Asian Ministers of Education Organization (SEAMEO)
- Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)
- Mekong–Ganga Cooperation (MGC)
- Mekong River Commission (MRC)

Transcontinental

- Eurasia Central Asian Cooperation Organization
- Collective Security Treaty Organization (CSTO)
- Commonwealth of Independent States (CIS)
- Economic Cooperation Organization (ECO)
- Eurasian Economic Community
- GUAM Organization for Democracy and Economic Development
- Organization of the Black Sea Economic Cooperation (BSEC)
- Shanghai Cooperation Organisation (SCO)
- TRACECA
- Trans-Atlantic North Atlantic Treaty Organization (NATO)
- Organization for Security and Co-operation in Europe (OSCE)
- South Atlantic Peace and Cooperation Zone (ZPCAS)
- Mediterranean Union for the Mediterranean
- Indian Ocean Indian Ocean Rim Association for Regional Cooperation (IOR-ARC)
- Indian Ocean Commission (COI)
- Arctic Ocean Arctic Council
- Pacific Ocean: ANZUS
- Asia-Pacific Economic Cooperation (APEC)
- Melanesian Spearhead Group (MSG)
- Pacific Islands Forum
- Pacific Regional Environment Programme (SPREP)
- Secretariat of the Pacific Community
- African, Caribbean and Pacific Group of States Technical Centre for Agricultural and Rural Cooperation ACP-EU (CTA)

Africa

- African Union
- Conseil de l'Entente
- Economic Community of West African States (ECOWAS)
- East African Community (EAC)
- West African Economic and Monetary Union (UEMOA)
- Southern African Development Community (SADC)
- Intergovernmental Authority on Development (IGAD)
- Arab Maghreb Union

Americas

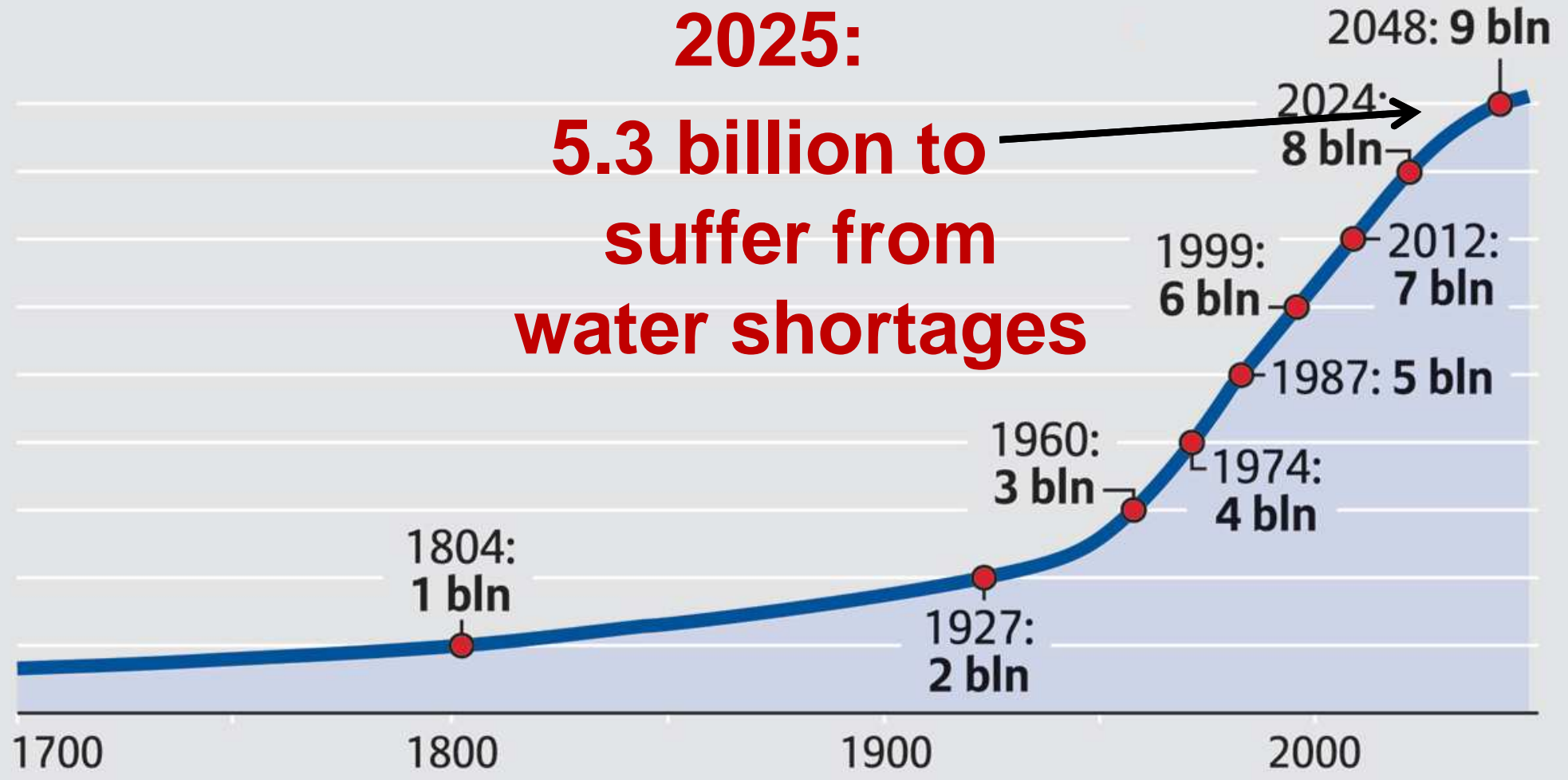
- Organization of American States (OAS)
- Union of South American Nations
- Mercosur
- Andean Community of Nations
- Justice Studies Center of the Americas (JSCA)
- Caribbean Community (CARICOM)
- Association of Caribbean States (ACS)
- Organisation of Eastern Caribbean States (OECS)
- Central American Parliament
- Bolivarian Alliance for the Americas (ALBA)
- Rio Group
- System of Cooperation Among the American Air Forces (SICOFAA)
- Central American Bank for Economic Integration (CABEI)
- Central American Integration System
- Organización Latinoamericana de Energía (OLADE)

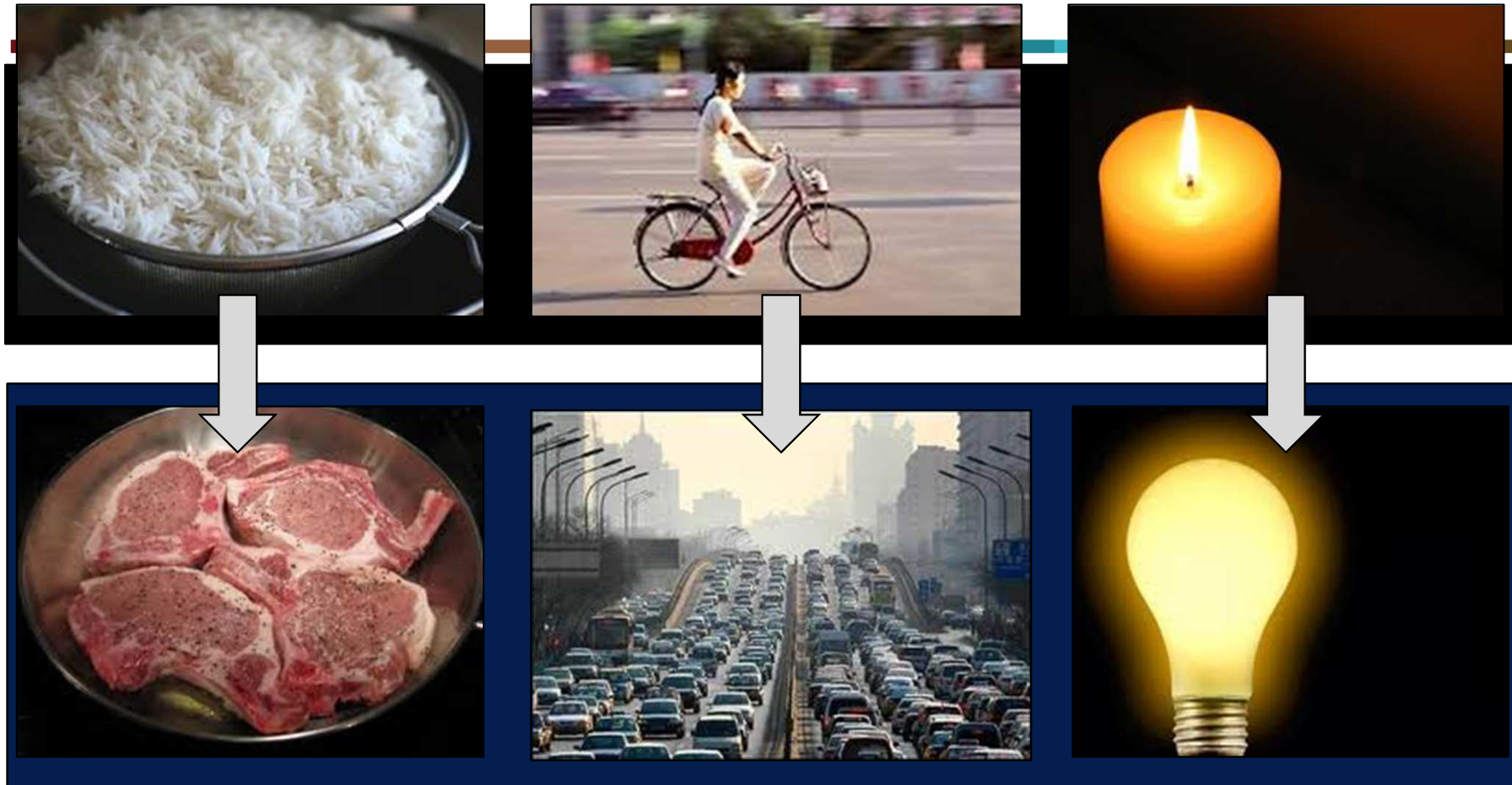
And the list goes on...



GLOBAL POPULATION SURGE

2025:
5.3 billion to
suffer from
water shortages





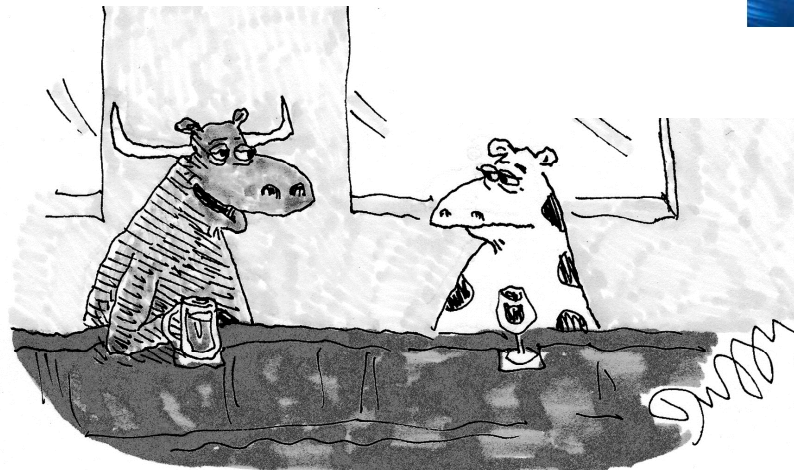
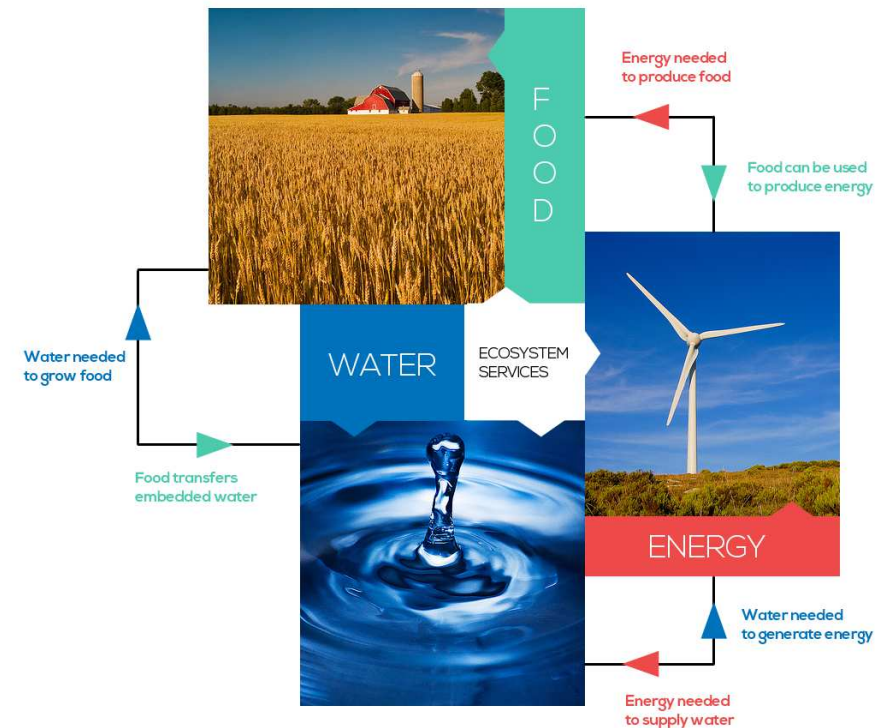
“Today’s energy infrastructure is equipped to sustain a global middle class population of 1 billion”

-Phil Lambert CEO, Lambert Energy Advisory



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BRINGING TOGETHER THOSE WHO DON'T NORMALLY COOPERATE



“Your Silo or mine?”





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NEXUS BARRIER- BREAKING DIALOGUES

