

THE ROLE OF BUSINESS IN SUSTAINABLE DEVELOPMENT

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SUSTAINABLE DEVELOPMENT IS:

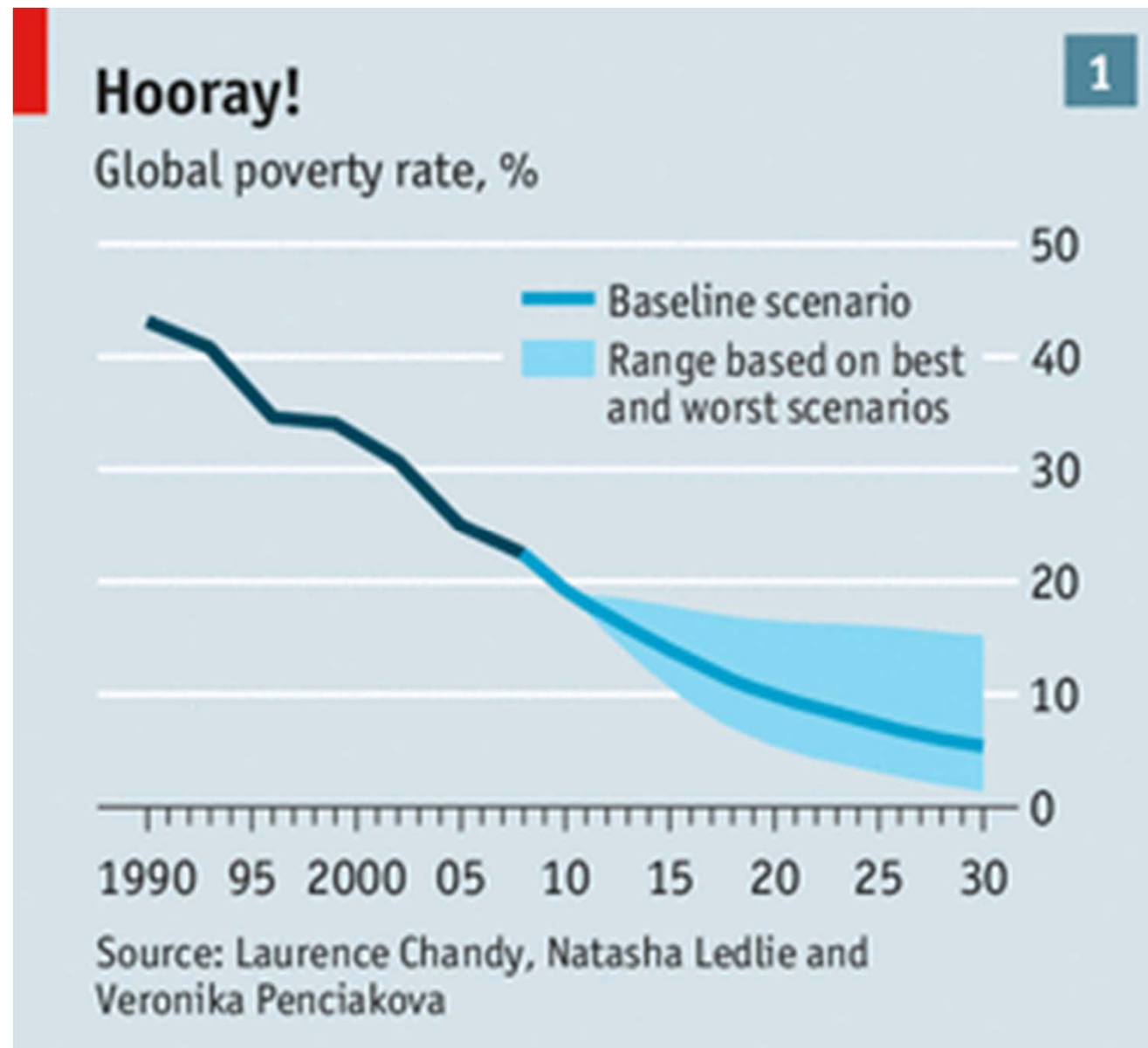
ECONOMIC DEVELOPMENT THAT IS

SOCIALLY INCLUSIVE, AND

ENVIRONMENTALLY SUSTAINABLE

**WE ARE ENTERING THE AGE OF
SUSTAINABLE DEVELOPMENT WITH
THE SDGS THIS YEAR**

PROGRESS DURING THE MILLENNIUM DEVELOPMENT GOAL ERA



YET TODAY'S GLOBAL ECONOMIC GROWTH IS **NOT**
SUSTAINABLE DEVELOPMENT:

- THERE IS GROWING INCOME INEQUALITY, SOCIAL EXCLUSION, AND JOBLESSNESS FOR MANY YOUTH
- EXTREME POVERTY CONTINUES IN MUCH OF AFRICA AND PARTS OF ASIA AND LATIN AMERICA
- THE WORLD FACES PROFOUNDLY THREATENING ENVIRONMENTAL TRENDS AND CRISES



Tunis, January 2011



Cairo, January 2011



Athens July 2011



Tel Aviv, August 2011



Chile, August 2011



New York City, November 2011



Madrid, September 2012

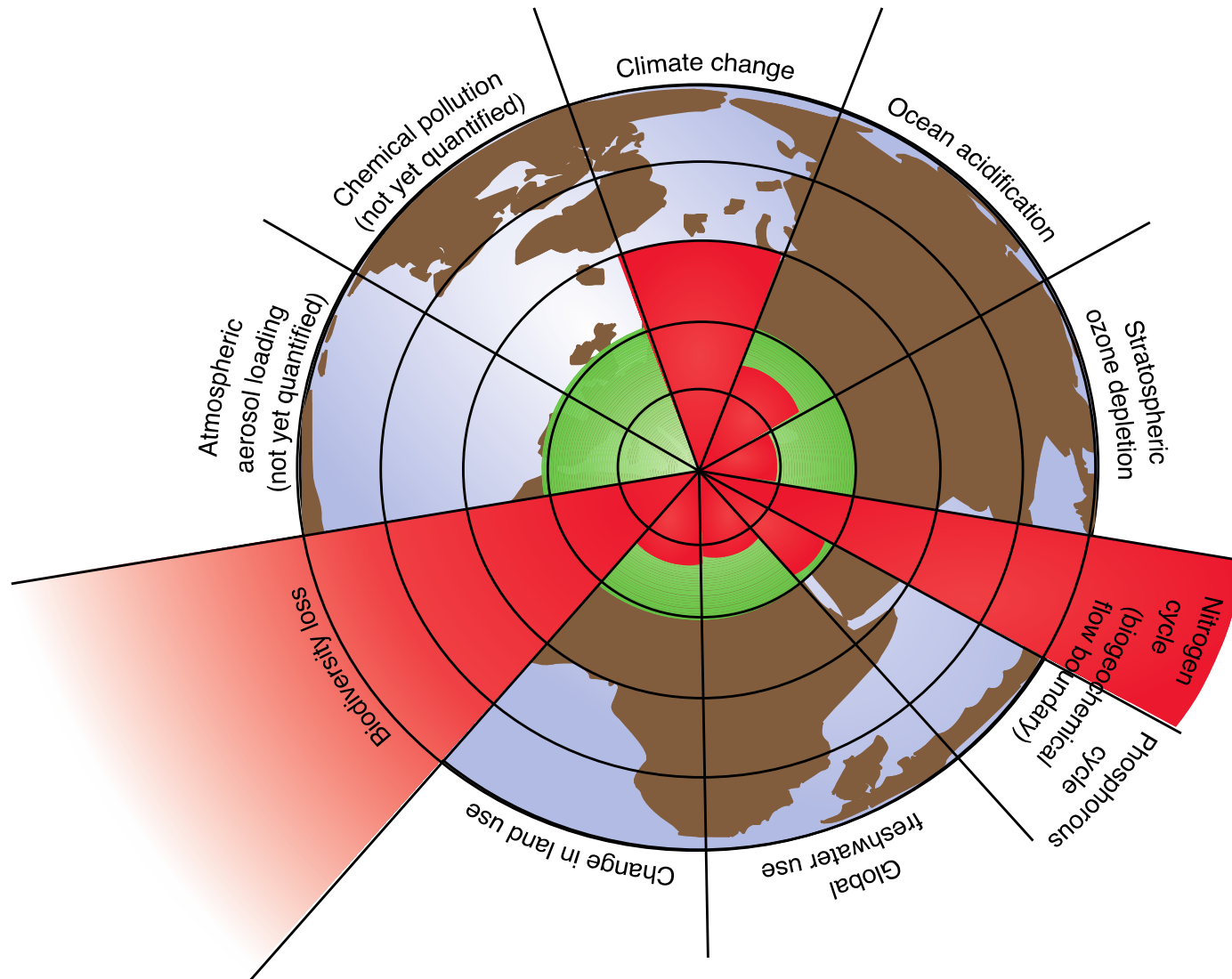


Istanbul, June 2013



Rio de Janeiro, June 2013

“PLANETARY BOUNDARIES”

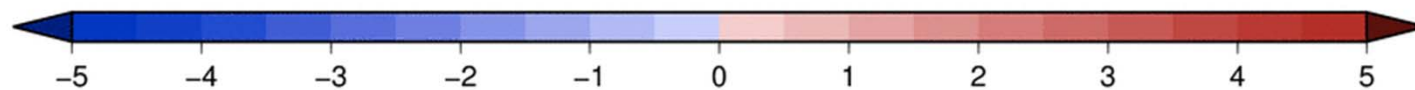
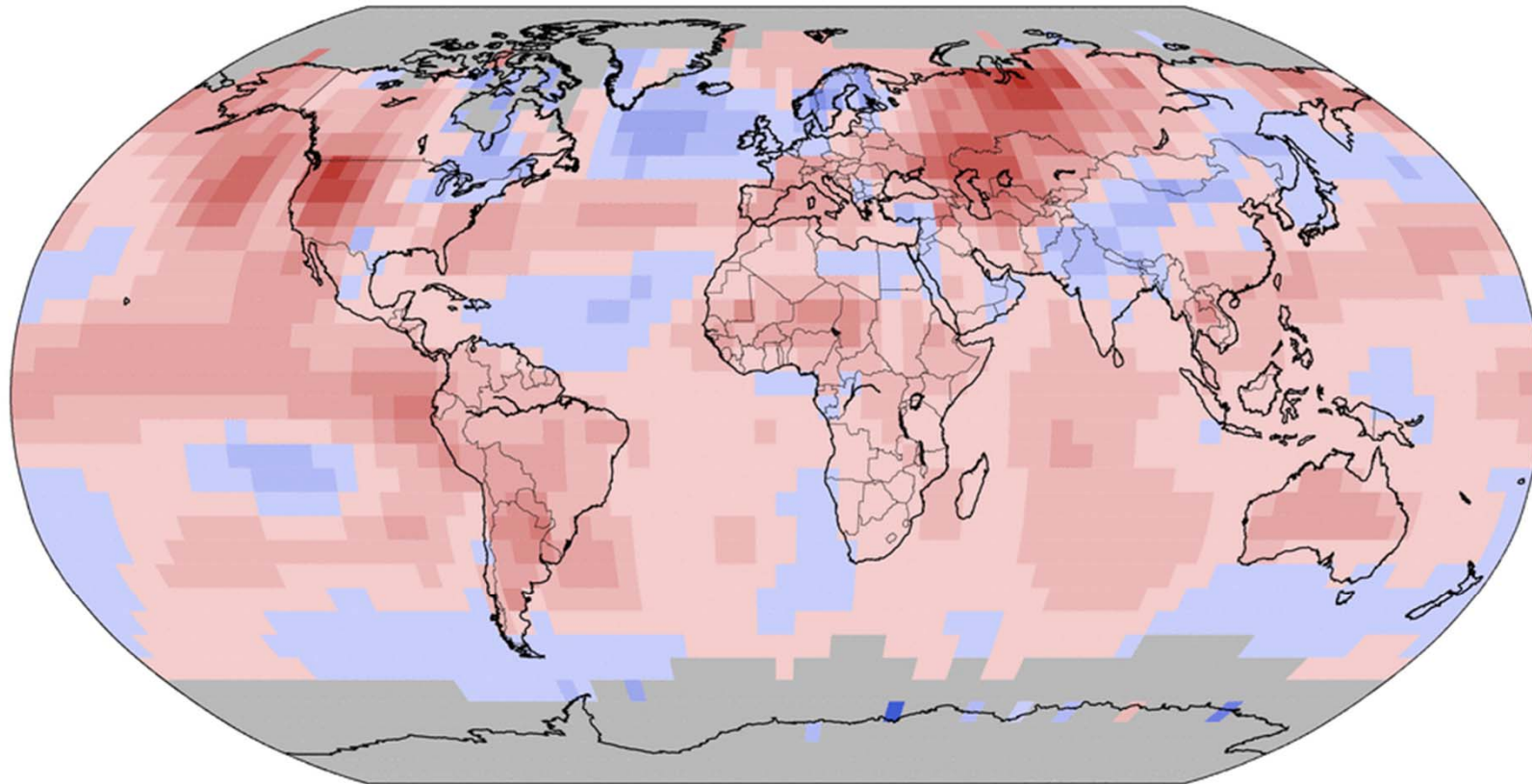


Source: Rockström et al 2009a)

JUNE 2015 WARMEST IN 136-YEAR RECORD

Land & Ocean Temperature Departure from Average Jun 2015
(with respect to a 1981–2010 base period)

Data Source: GHCN-M version 3.3.0 & ERSST version 4.0.0



National Centers for Environmental Information
Mon Jul 13 06:35:21 EDT 2015

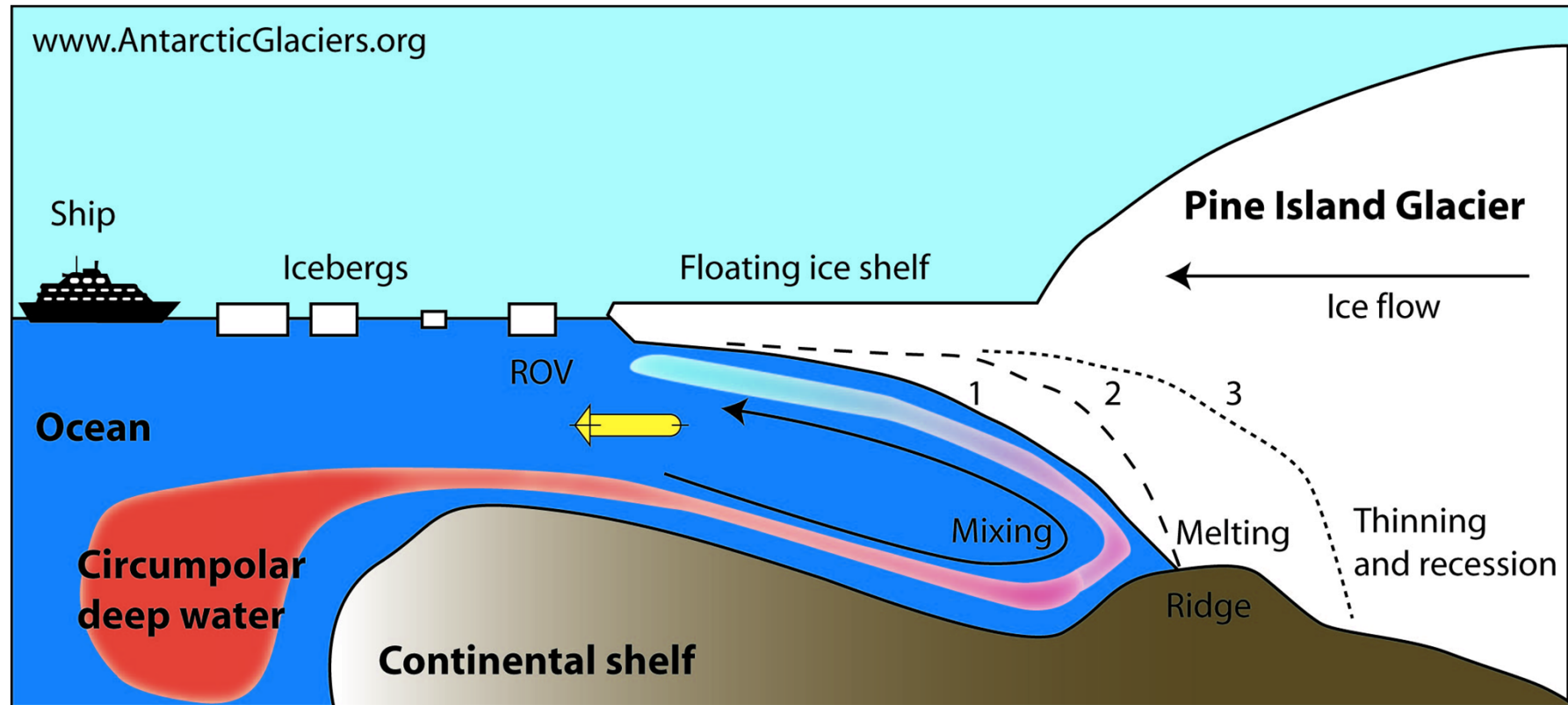
Degrees Celsius

Please Note: Gray areas represent missing data
Map Projection: Robinson

LOS ANGELES WATER RESERVOIR, APRIL 5, 2015

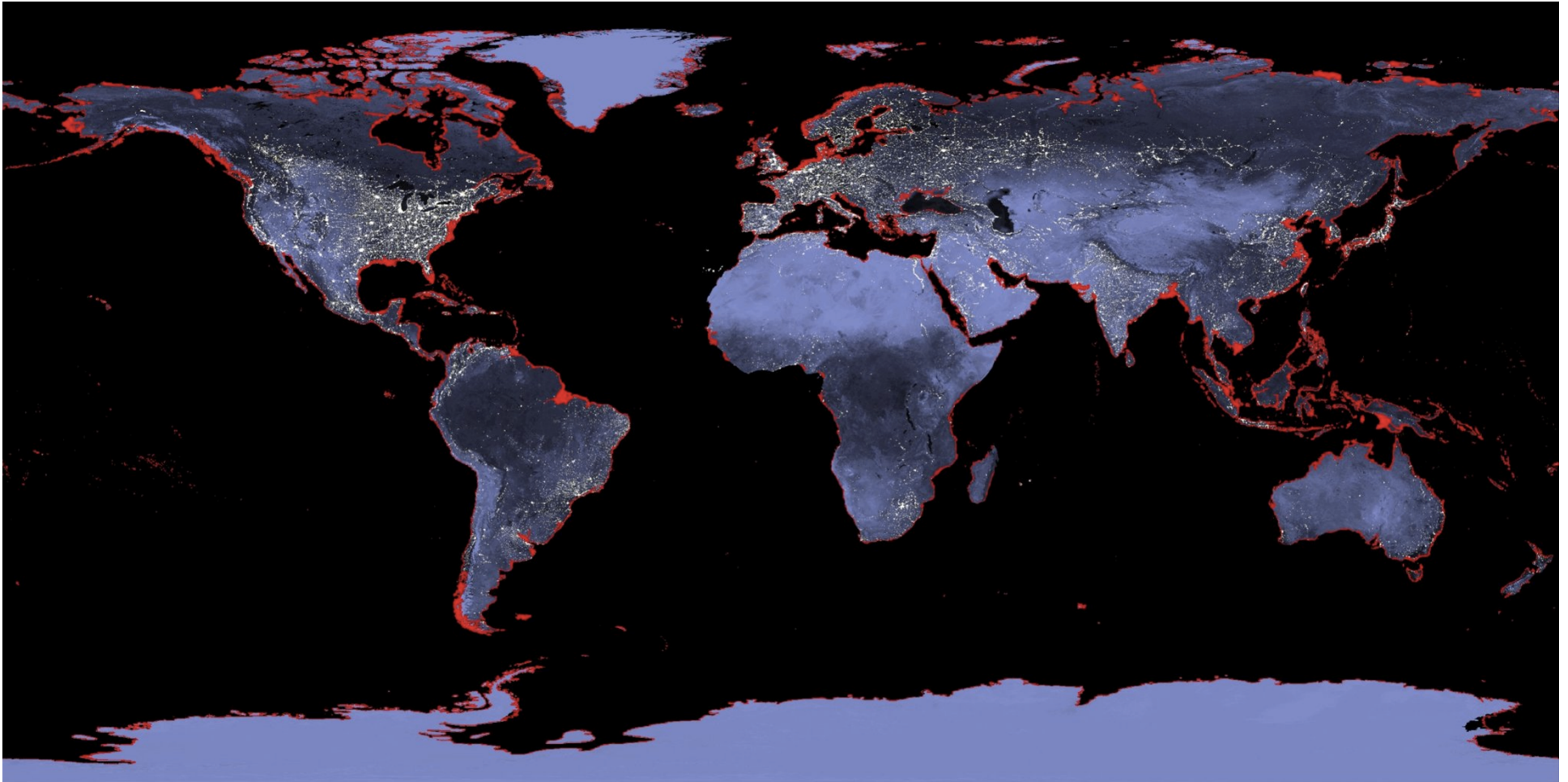


LOSS OF WEST ANTARCTICA ICE SHEET



1. Early 1970s. Pine Island Glacier is grounded at a bedrock ridge.
2. Warm, inflowing Circumpolar Deep Water melts the base of the glacier. The glacier steepens and accelerates.
3. Present day, observed by a remotely operated vehicle (ROV). Glacier is thinning and receding.

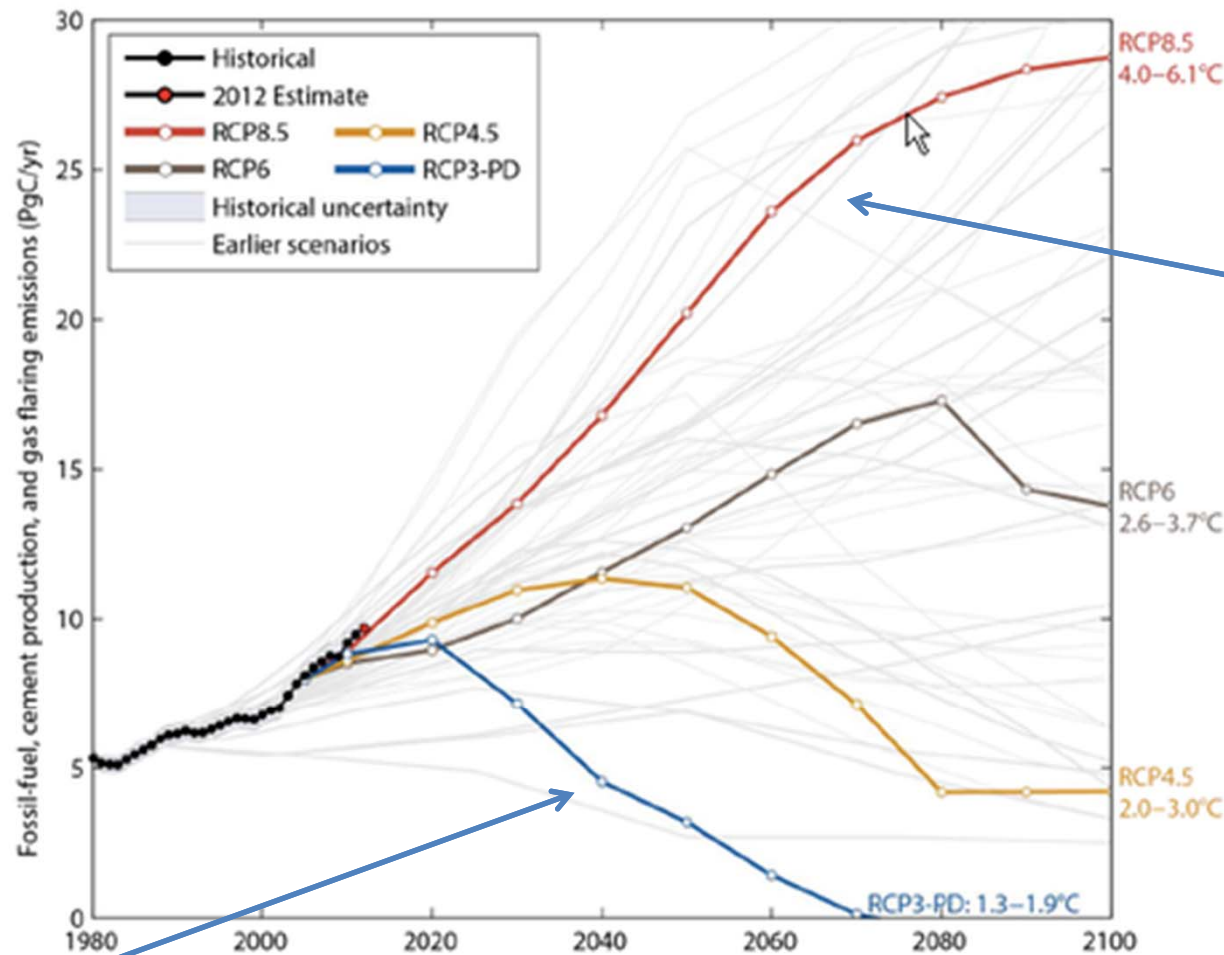
Land Lost to 6M Sea Level Rise, NASA



THE SUSTAINABLE DEVELOPMENT GOALS WILL BE ADOPTED ON SEPTEMBER 25



Emissions are heading to a 4.0-6.1°C “likely” increase in temperature
Large and sustained mitigation is required to keep below 2°C



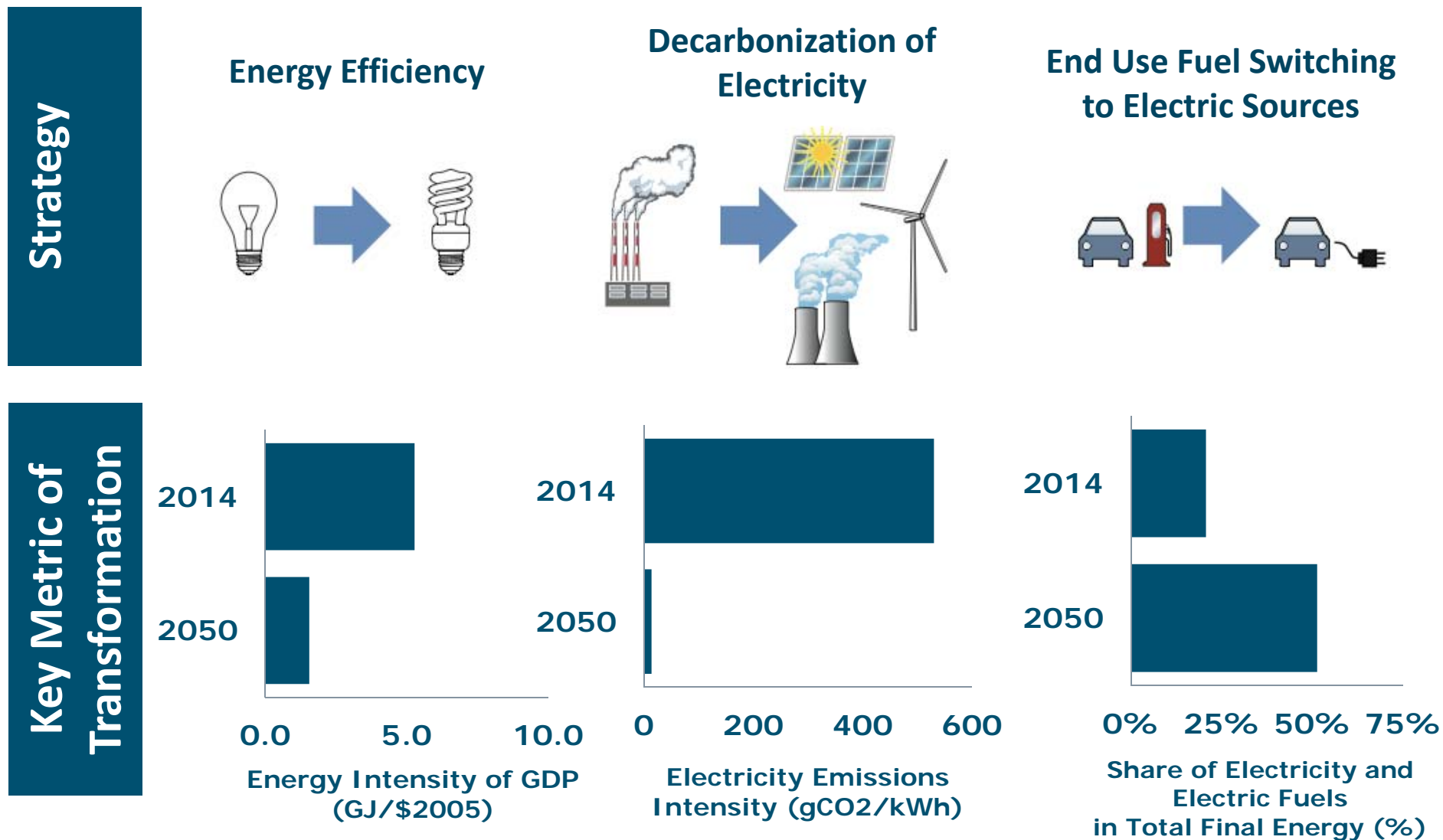
BAU:
4-6 degree C

Linear interpolation is used between individual datapoints

2-degree C

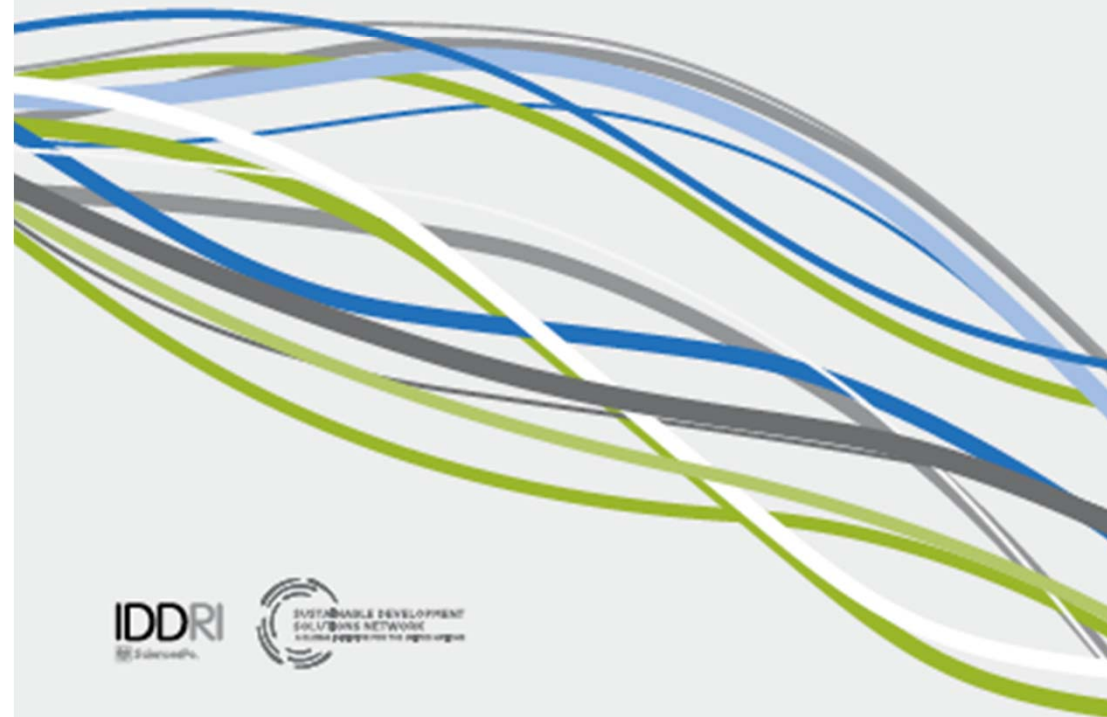
Source: [Peters et al. 2012a](#); [Global Carbon Project 2012](#);

Main Decarbonization Strategies



pathways to
deep decarbonization

interim 2014 report

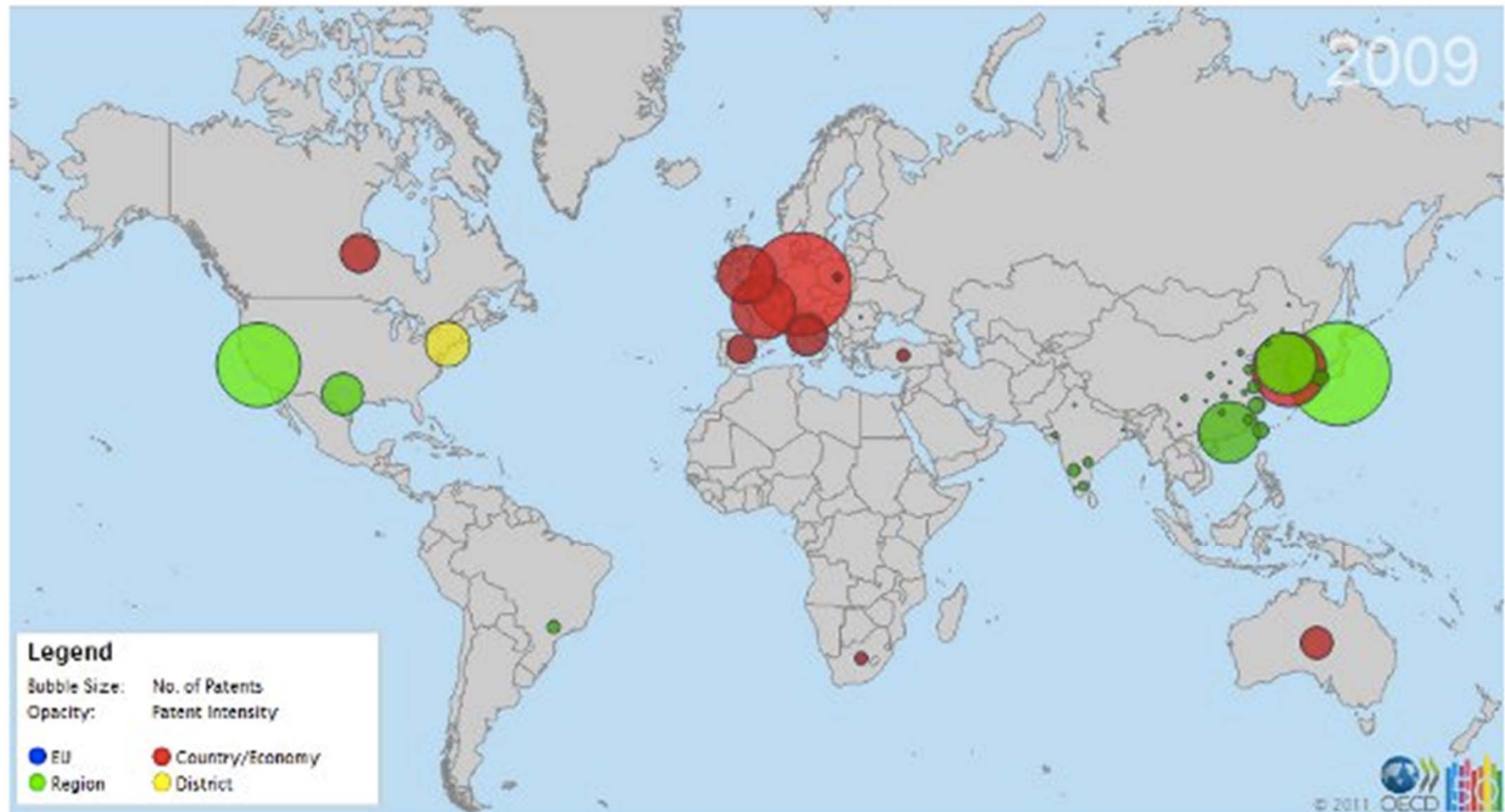


IDDRI
Institut de Développement
Durable et de Relations
Internationales

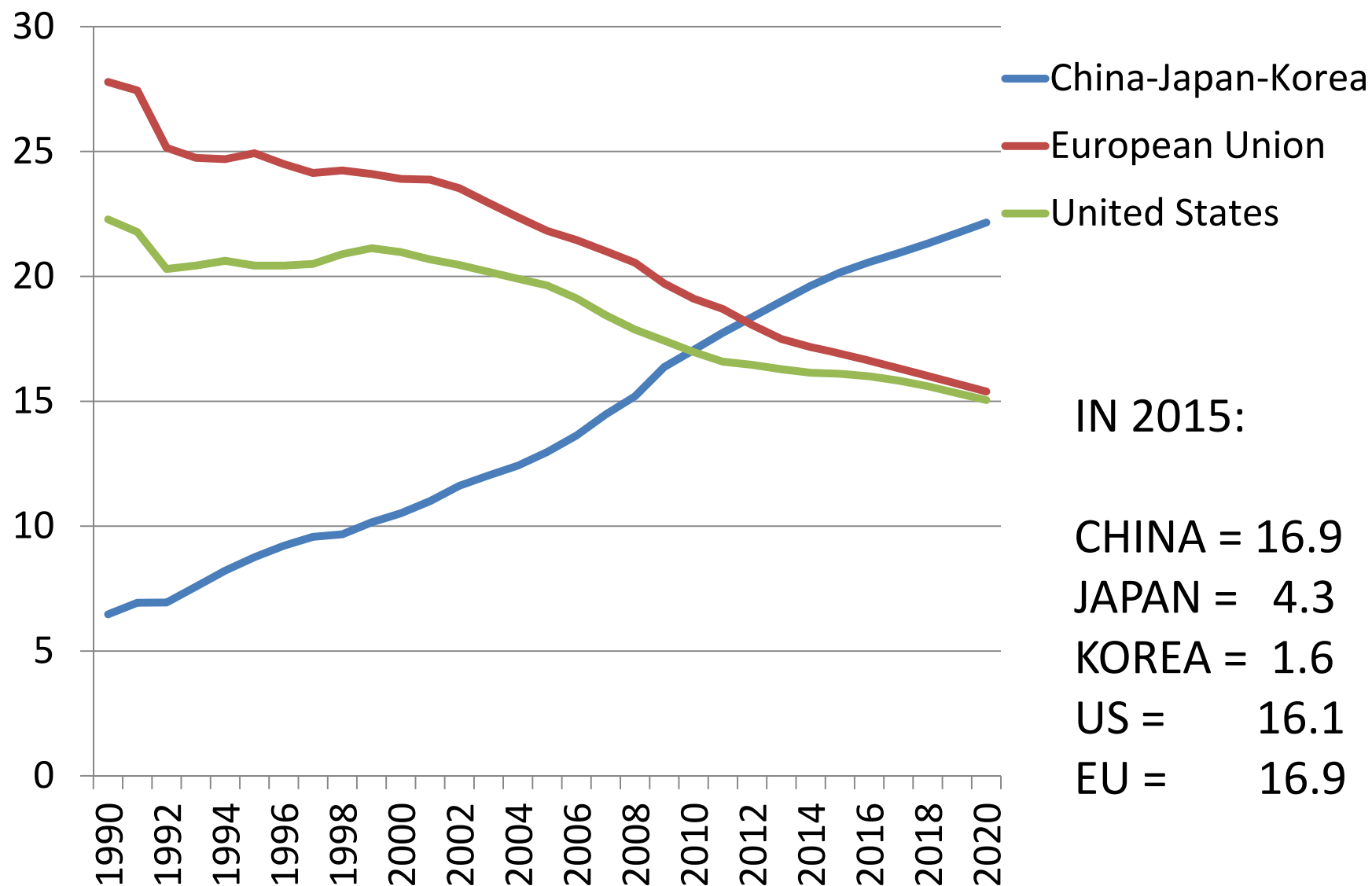


THE DEEP DECARBONIZATION PATHWAYS PROJECT

PATENT HOTSPOTS WORLDWIDE, OECD DATA, 2009



SHIFTING GEO-ECONOMICS: SHARES OF WORLD GDP



HOW CAN BUSINESS BEST CONTRIBUTION TO THE SUSTAINBLE DEVELOPMENT GOALS?

GOOD BUSINESS PRACTICES:

Paying Fair Taxes and Royalties
Protecting the Environment and
Paying for Remediation
Ensuring Labor Standards
Supply Chain Management

“TRUE VALUE”

INNOVATING AND SHARING TECHNOLOGY:

Such as the Case of Sumitomo Chemical Company and the Olyset Nets



PARTICIPATING IN PUBLIC-PRIVATE PARTNERSHIPS:

For Health, Education, Rural and Urban
Infrastructure, Finance, Transport, Renewable
Energy

Millennium Villages Project: Sony, Toyota,
Sumitomo Chemical, Others

The Sustainable Development Solutions Network operates under the auspices of UN Secretary-General Ban Ki-moon, and engages scientists, engineers, business and civil society leaders, and development practitioners for evidence-based problem solving. Its member institutions, notably universities, research centers, and think tanks, work with government, business and civil society to promote innovations to support sustainable development (www.unsdsn.org)

MEMBERS OF THE SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK (SDSN)



LAUNCH OF THE JAPAN-SDSN CHAPTER ON JULY 28 IN YOKOHAMA AND ISAP2015:

SDSN-JAPAN WILL FOCUS ON:

DEEP DECARBONIZATION PATHWAY (DDPP)
HIGH-TECH SOLUTIONS FOR ENERGY EFFICIENCY
AND LOW-CARBON ENERGY
ROBOTICS AND INFORMATION TECHNOLOGY
URBAN DESIGN (SDSN SDG URBAN ALLIANCE)
NANOTECHNOLOGY AND BIOTECHNOLOGY
(GREEN CHEMISTRY)
CHALLENGES OF AGING AND WELLBEING