

Energy Efficiency Day (Climate Change Response Expo)
December 7, 2011. Durban, South Africa

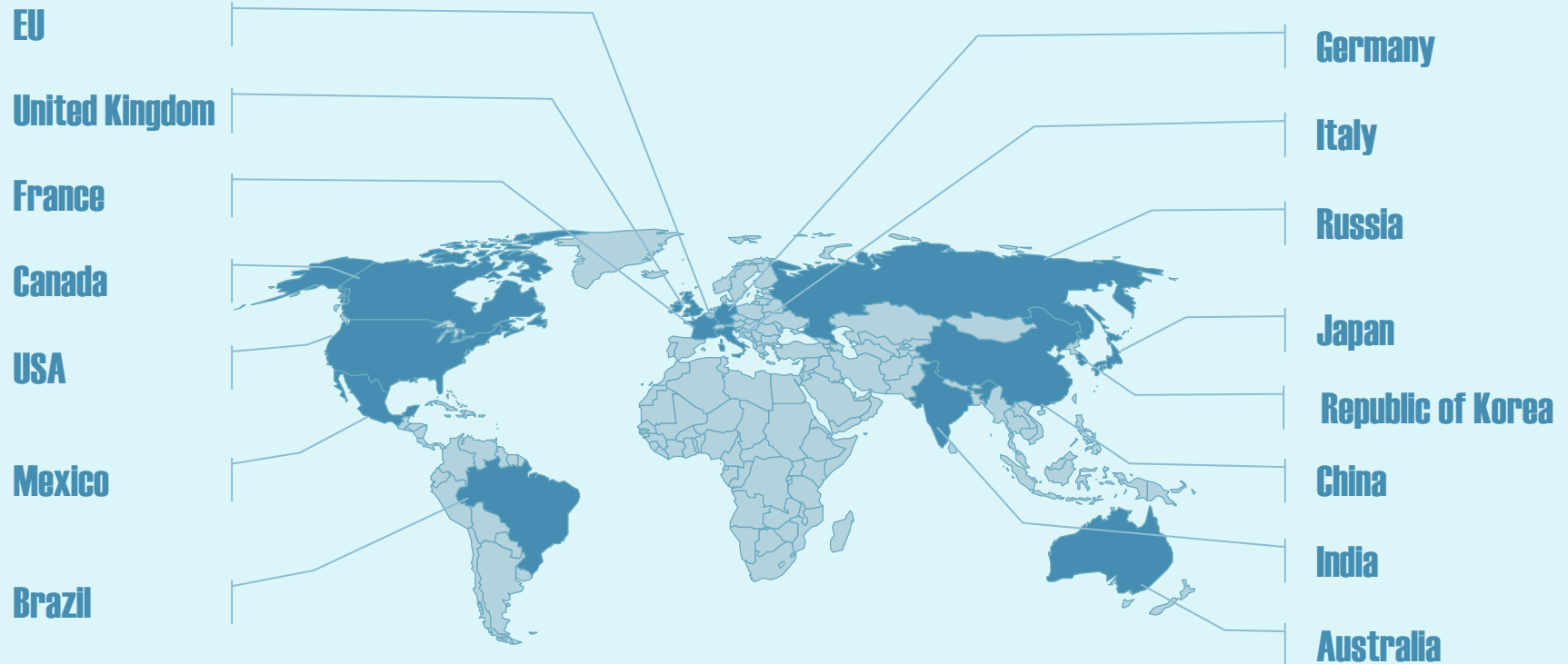
IPEEC: Promoting EE Technologies: Road to a Low Carbon Economy

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IPEEC is an Autonomous Entity

Members account for over 75% of world GDP and energy use.



The **IPEEC Secretariat** is located in Paris, France

Energy Efficiency: More Than Just Energy Savings

Government Action to Promote Energy Efficiency

**Sustainable
Development:
Enhanced energy
access**

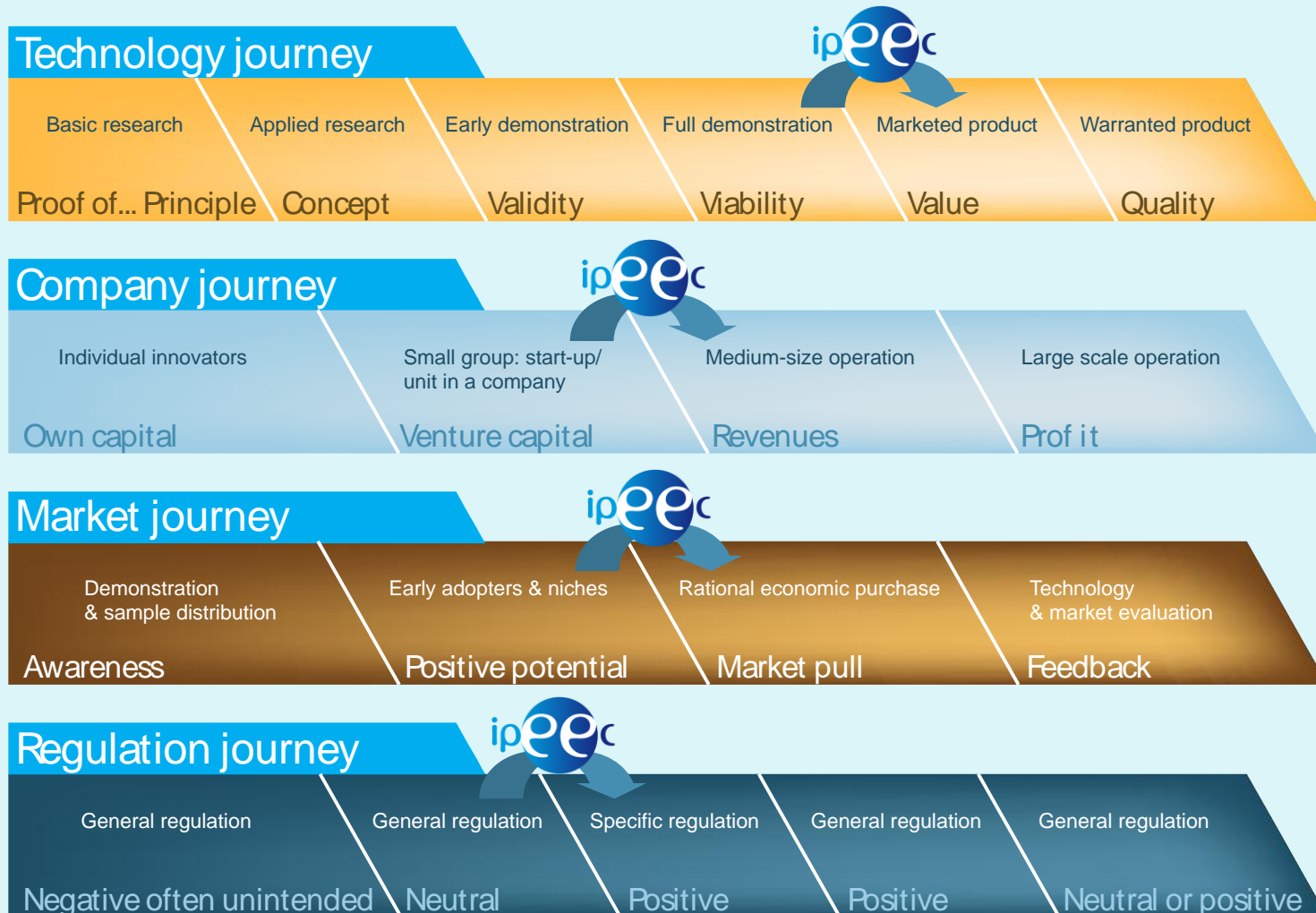
**Climate Change
Mitigation:
Reduced GHG
emissions**

**Energy
Security:
Reducing
energy use**

Low Carbon Economy

- Improved air quality
 - Jobs created
- Lower energy cost

Transition Technologies, Products and Services Follow Parallel Journeys



Example 1: Japan

Top Runner Program

- EE standards for appliances/vehicles
 - Standards - set higher than the best performance value of each product currently on sale in the market
- Standards take into account technological development
 - 21 products are included, low technology products are phased out

Passenger vehicle standards

In 1999, target:

- Fuel economy to improve 22.8% by 2010

Target reached in 2005 –
ahead of schedule

Air Conditioners:

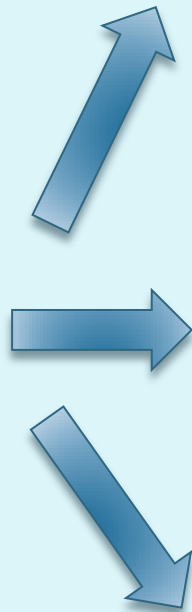
EE improvement of 67.4% (1999-2004)

- Companies used technologies that they may otherwise have waited to commercialize
- Improved *consumer and retailer* awareness accelerated pace of market penetration

Example 2. China

11th Five-Year Plan (2006 – 2011)

**Government
sets policies
to promote a
low carbon
economy**



**Top 1000
enterprises
targeted**

**Inefficient
plants
closed**

**Ten key
projects
undertaken**

Results:

Energy intensity	- 19.1%
Chemical oxygen demand	- 12.45%
SO ₂ emissions	- 14.29%

2006

2011

Refrigerator Standards, Labels & Incentives Program

- Between 1945 and 2010, the average refrigerator *volume has increased from 8 cubic ft. to 21 cubic ft.*
- Standards, labels & incentives led to EE improvement without interrupting long-term decline in real purchase price: **from \$1,000 to \$600** (2009\$)
- Government action has led to **savings of about \$20 billion/year in 2010 and \$300 billion cumulative since 1978**

*Annual energy
used a by a
refrigerator X 4*

*Refrigerators
standards
introduced*

**Annual energy
used declines:
reaches 1945
levels by 2010**

1945

1978

2010

Promoting a low carbon economy

8 Task Groups Dedicated to EE

Policy Making/Capacity Building

EMAK - Energy
management

WEACT – Capacity
building, training

IPEEI -
Indicators

GSEP –
Energy
performance

Finance

AEEFM – Finance

Industrial Sector

PEPDDEE - Utilities

Commercial/ Residential Sector

SEAD - Appliances

GSEP – Energy performance

SBN – Sustainable buildings & habitats

Platform for Capacity Building & Training

Worldwide EE Action

Facilitates the creation, improvement and implementation of EE policy-making capacity

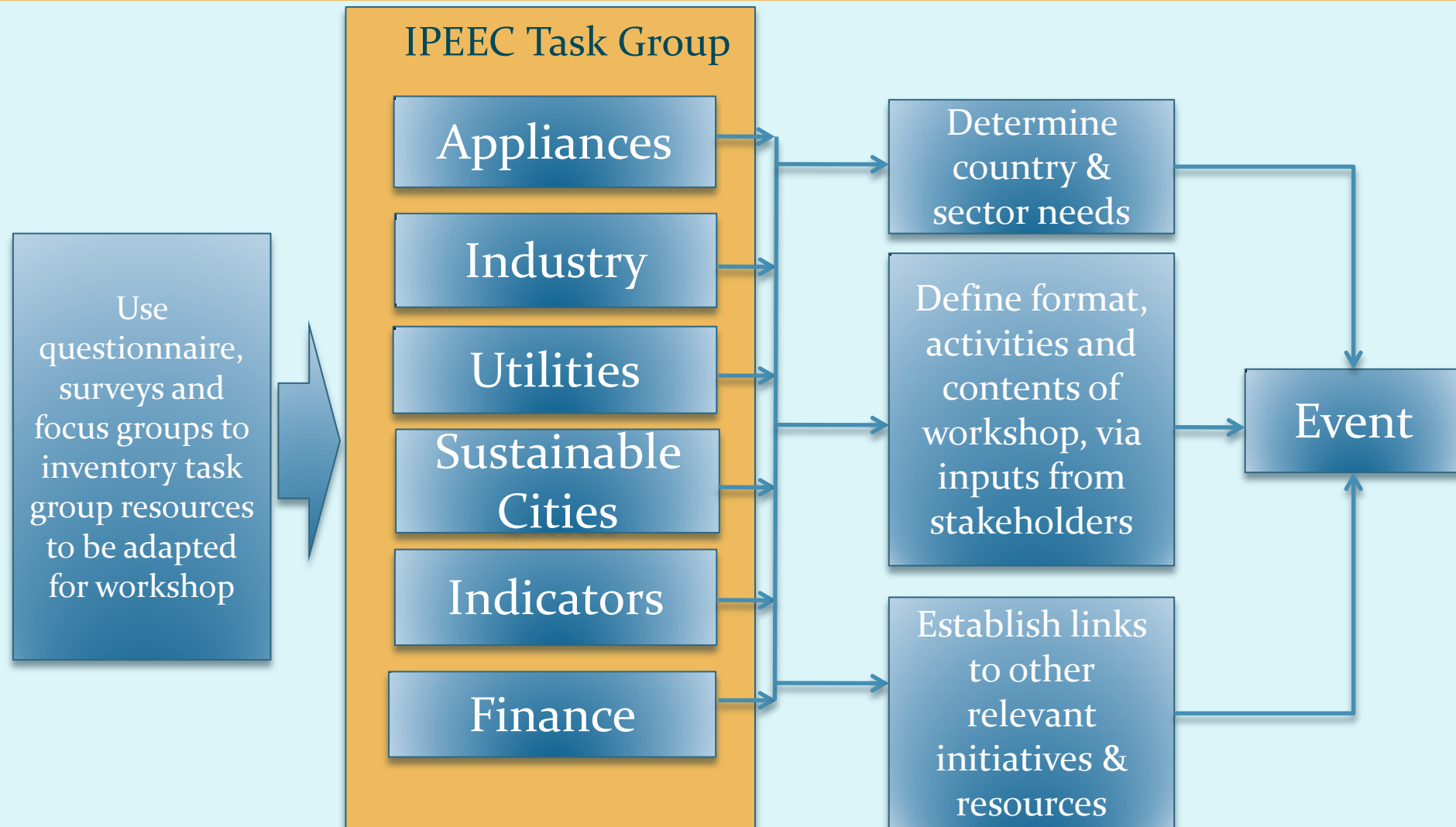
Improving Policies through EE Indicators

Explores the problems associated with designing and using appropriate methodologies for developing EE indicators.

Policy Action Network

- Strengthen EE policy design and implementation through action plans developed during the workshop.
- Sustain capacity building initiatives
- Support regional cooperation through peer learning and dialogue.
- Promote establishment of regional knowledge management hubs that leverage existing regional and IPEEC Task Group resources to disseminate capacity building content.

Developing IPEEC Capacity Building Event Agenda



Thank you!

Next IPEEC Capacity Building Event:

Energy Efficiency Policies in South Asia
December 14 – 16, New Delhi.

*Policy Dialogue & Workshop: 100 speakers & participants
expected from 14 nations.*

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