

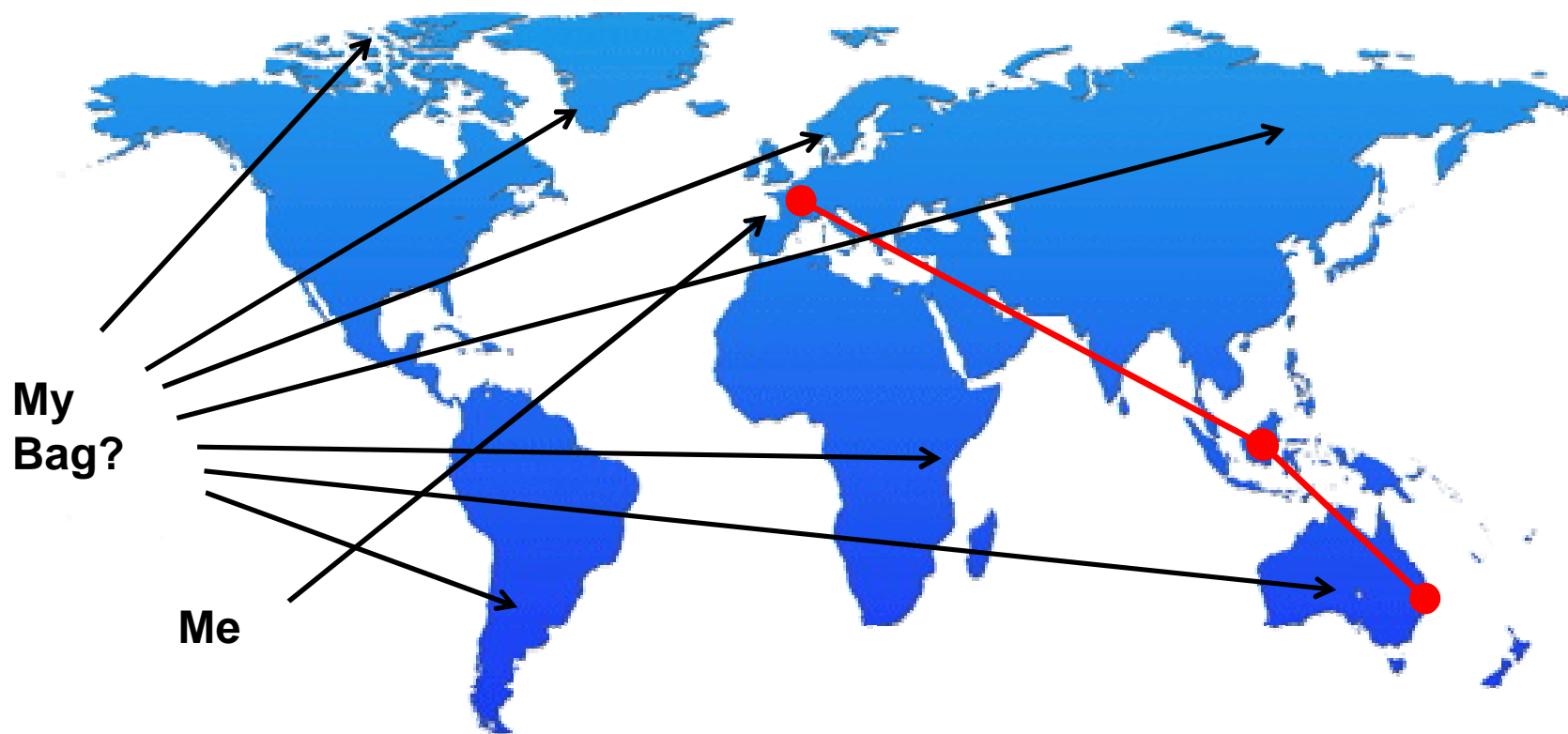
# Review of International Standards, Ratings and Incentive Schemes

IEA Task 48, Activity C1 Working Group  
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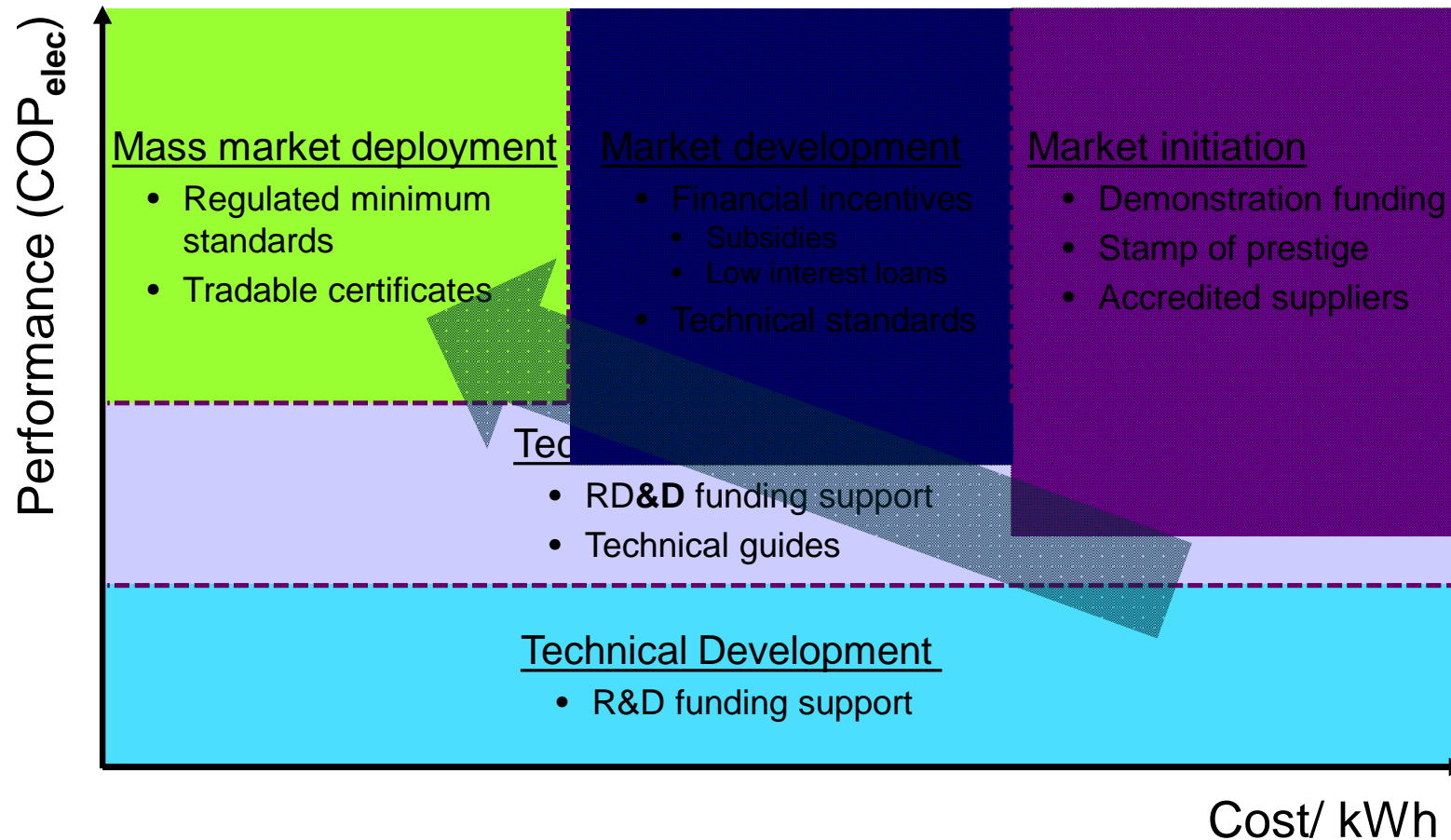
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# Support Mechanisms for Product & Market Development



# Support Mechanisms for Product & Market Development



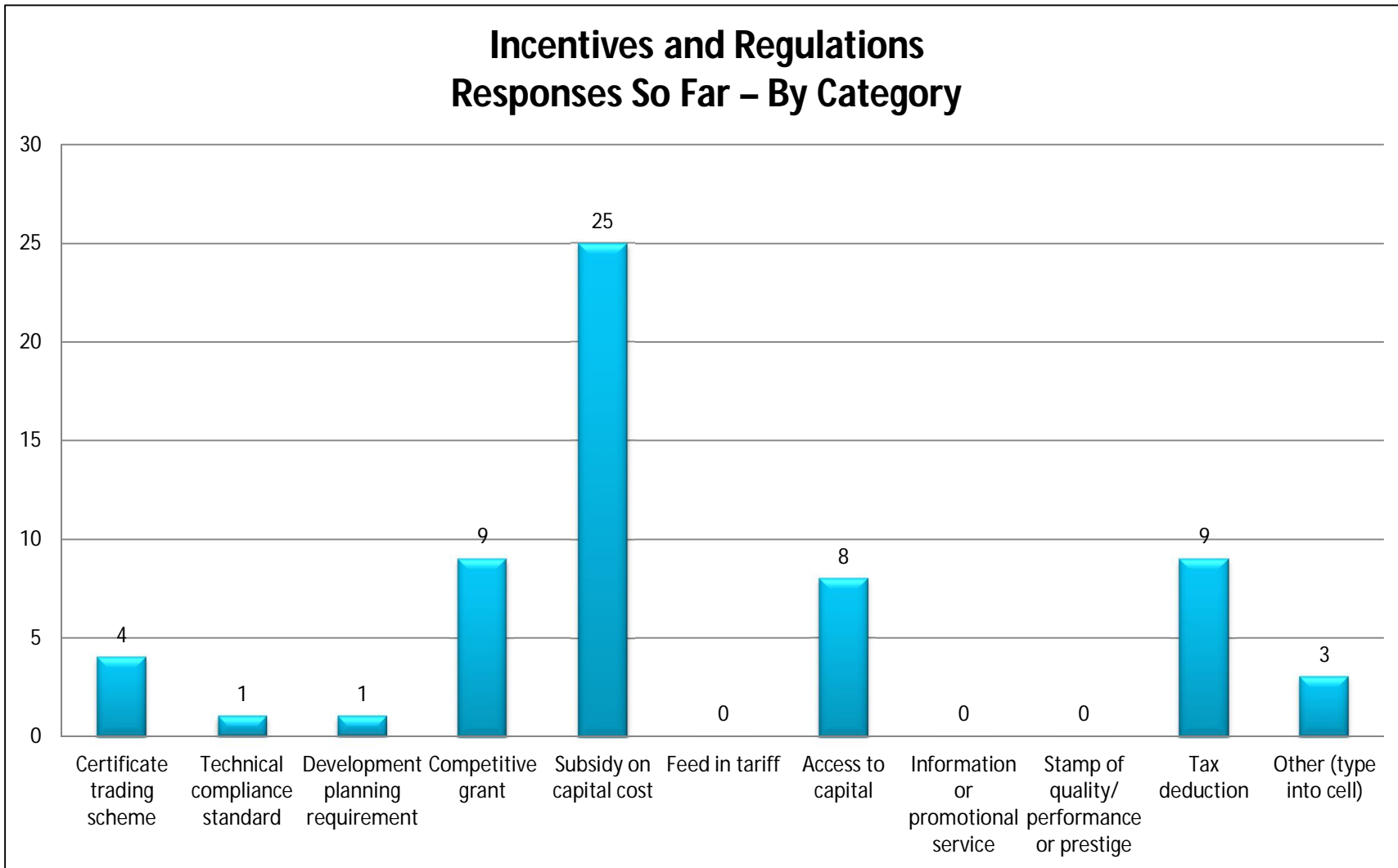
# Intent

- Utilise the IEA Task Network to review standards, rating and incentive schemes used around the world
  1. What has been **successful**/ **unsuccessful** for attracting investment into solar airconditioning?
  2. What support mechanisms would we *recommend*?
  3. What technical parameters and associated research is required from Task 48 to support these support mechanisms?

# Input to date

- Input from 5 countries
  - Australia
  - Austria
  - France
  - Italy
  - USA
- 60 support mechanisms

# Responses by Category



# Categorisation

<u>Category/ type of Intervention</u>
Please Select One
<i>Certificate trading scheme</i>
<i>Technical compliance standard</i>
<i>Development planning requirement</i>
<i>Competitive grant</i>
<i>Subsidy on capital cost</i>
<i>Feed in tariff</i>
<i>Access to capital</i>
<i>Information or promotional service</i>
<i>Stamp of quality/ performance or prestige</i>
<i>Tax deduction</i>
<i>Other (type into cell)</i>

<u>Application Niche</u>
Please Select One
<i>Residential</i>
<i>Commercial &amp; Industrial</i>
<i>All</i>
<i>Other (type into cell)</i>

<u>Size of Opportunity</u>
Please Select One
<i>No limit (or close to)</i>
<i>Finite budget (type euro limit into cell)</i>
<i>Finite capacity (type MW(refrig) limit into cell)</i>
<i>Other (type into cell)</i>

<u>Government</u>
Please Select One
<i>Local/City</i>
<i>State/Regional</i>
<i>Federal/National</i>
<i>Combination (type into cell)</i>
<i>Other (type into cell)</i>

<u>Eligibility/ Assessment Approach</u>
Please Select One
<i>Deemed Savings</i>
<i>Engineered Design/ Eligibility Criteria</i>
<i>Measured Performance</i>
<i>Combination (type in cell)</i>
<i>Other (type into cell)</i>
<i>Unknown</i>

# Assessment

Summary of the Benefits for Solar AC contractors (dot points)	Summary of the Disadvantages for Solar AC contractors (dot points)	Effectiveness Outcomes to date (or likelihood of) stimulating solar cooling
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**Benefits**

**Disadvantages**

**Usefulness  
(Impact)**



# Example: Emergence Program France

Benefits	Disadvantages	Comments
<ul style="list-style-type: none"> <li>• National program</li> <li>• Funding up to 80% of the estimated solar project cost (emerging from feasibility report)</li> <li>• Specifically for solar heating and cooling</li> <li>• Specifically encourages high quality installations</li> </ul>	<ul style="list-style-type: none"> <li>• Program not well known</li> <li>• 20% of the subsidy is given to the system owner only after 2 years monitoring and only if the performance targets reached</li> <li>• Process/ Administration Heavy</li> <li>• Only 1 project successful so far ..... since 2010!</li> </ul>	<p>Incentive is given if three critical criteria are satisfied:</p> <ol style="list-style-type: none"> <li>1. Coherence – does the project make sense</li> <li>2. Useful thermal energy <math>\geq 350\text{kWh/m}^2/\text{year}</math></li> <li>3. <math>\geq 5</math> COP (Electrical)</li> </ol> <ul style="list-style-type: none"> <li>• Monitoring must occur for at least 2 years</li> <li>• Two-stage application process:               <ol style="list-style-type: none"> <li>1. Pre-feasibility stage 50% funded by govt</li> <li>2. Project financing phase up to 80% govt depending on client</li> </ol> </li> </ul>

# Example: ST Subsidy Program in Region Lombardia

Benefits	Disadvantages	Comments
<ul style="list-style-type: none"><li>• €9 Million Available</li><li>• Funding up to 50% of investment costs</li><li>• An extra subsidy is available for each kW thermal chilling power</li></ul>	<ul style="list-style-type: none"><li>• Possible competition with National programme call</li><li>• Process/Administration Heavy: the project has to go through 4 steps</li><li>• Only Public Entities like municipalities, public housing companies, public elderly houses etc eligible</li><li>• Closed</li></ul>	<ul style="list-style-type: none"><li>• Lombardia (Northern Italy – Capital Milano)</li><li>• Initiated by Region Lombardia and Polimi</li><li>• ST for DHW, ST combi systems, SAC systems, <math>\geq 50\text{m}^2</math> collector area</li><li>• One year monitoring required</li></ul>

**And for tomorrow night...**

# Fifa World Cup: Germany thrash hapless Australia 4-0

Published: Monday, Jun 14, 2010, 1:15 IST | Updated: Monday, Jun 14, 2010, 2:15 IST  
By Nick Mulvenney | Place: DURBAN | Agency: Reuters

Germany opened their quest for a fourth World Cup with a thumping 4-0 victory over Australia in their opening Group D match on Sunday.

Forwards Lukas Podolski and Miroslav Klose gave their side a 2-0 halftime lead to vindicate coach Joachim Loew's faith in them despite a recent lack of goals, with winger Thomas Mueller and substitute Cacau finding the net after the break.

Australia, who started both halves brightly and battled gamely throughout, played the last 34 minutes with 10 men after Tim Cahill was dismissed by Mexican referee Marco Rodriguez for a foul on Bastian Schweinsteiger.



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## Germany beats 10-man Australia 4-0 at World Cup

BY MIKE CORDER, ASSOCIATED PRESS | SUNDAY 13 JUNE 2010

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### Caption competition



Germany scored two goals in each half and Tim Cahill was sent off as three-time champion Germany beat Australia 4-0 today in Group D of the World Cup.

### Related articles

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[Winning start for Andy Murray at Australian Open](#)

[GB forced to settle for silver](#)

[Andy Murray: The route to the Australian Open final](#)

[Clint McKay stars as Australia win series](#)

### News in pictures



Lukas Podolski and Miroslav Klose scored in the first 30 minutes as Australia coach Pim Verbeek's defensive tactics backfired, and Thomas Mueller and Cacau added the others against an overwhelmed Australian defense.

### Sport blogs



"We earned respect for ourselves," Klose said. "It was hugely important to win the first game, but nothing is won yet. We're a young team and we have fun playing."

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# Go Austria!



# Thank you

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