



CHINEKA BILATERAL PROGRAM

**THE SPANISH-CHINESE PROGRAM TO FOSTER
TECHNOLOGICAL COOPERATION**

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Centro para el Desarrollo
Tecnológico Industrial

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- I. **CDTI mission**
- II. Overseas Network strategy
- III. Chineka: status and perspectives
- IV. Chineka: how does it work and how to apply ?

CDTI basics

Centro para el Desarrollo Tecnológico Industrial (CDTI):

- Created in 1977
- Public Corporate Entity
- Under the Ministry of Science and Innovation

CDTI's Mission: Increase the competitive edge of Spanish companies by raising their technological level

Its legal status enables it to operate with the flexibility and efficiency that business companies require.

CDTI operations

National

RTDI project evaluation and funding (soft loans and grants)

Funding of new technology-based companies (NEOTEC & NEOTEC Venture Capital)

International

Management of international technology cooperation programs (EU 7th Framework Program, **Eureka, Iberoeka, Bilaterals**)

Support for transfer of technology and co-developments abroad (**CDTI Overseas Network**)

Aeronautics, Space, and Technology Offsets *

Management of support instruments for RTDI in the aeronautics industry (civil and military)

ESA

Technology procurement (CERN/ESRF, Hispasat /Eumetsat/Spainsat)

* In 2005, CDTI took over management of public support instruments for RTDI in the aeronautics industry.

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CDTI's 2005 Strategic Plan

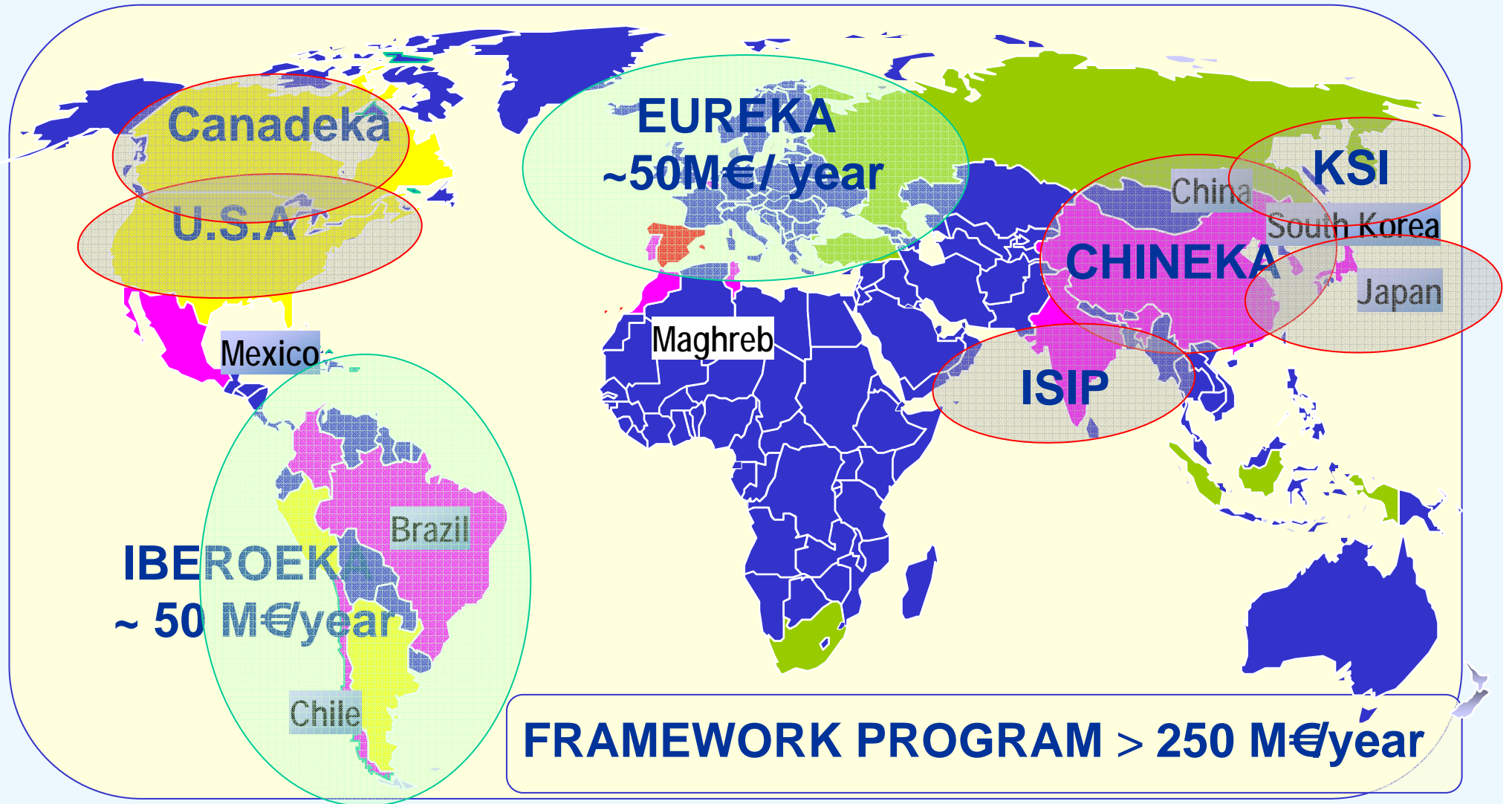
Background:

- Few companies performing R&D (around 6000).
- Spanish R&D parameters below the OECD average.
- International benchmarking of CDTI financial tools showed:
 - Big share of loans and small share of grants.
 - Focus on specific and private projects, i.e. NO "big projects" and NO inter-firm consortia.

2005 New Strategic Plan:

- Private-Public partnership via "NEOTEC Fund of Funds".
- New Program CENIT: Big/long-term projects/in consortia/support via grants with 50% of the budget.
- Fostering TECHNOLOGICAL INTERNATIONAL COOPERATION
 - Allowing a non reimbursable share (grant) in international projects
 - Widening the border lines of cooperationg countries beyond EU

CDTI international networks



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Why to cooperate with China in R&D?

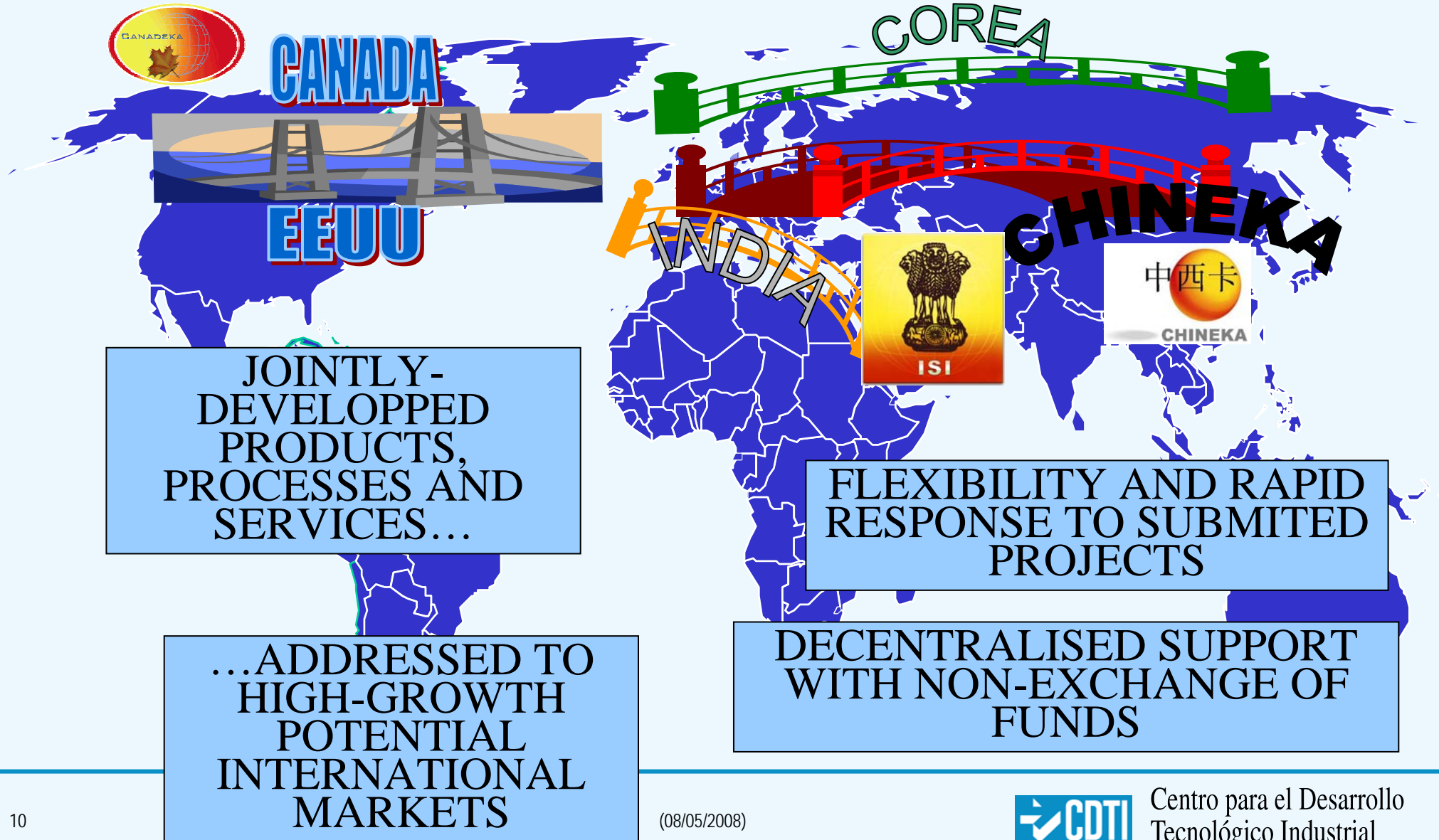
- R&D and Innovation: A priority in China next 5 years
- FDI in China changing structure to R&D, M&A and Services
- More than 1000 foreign R&D centers in China, growing every month
- China is considered **better R&D location** in the world in 3 yrs (AT Kearney)
- China emergence in **nanotechnology**, biotech & genetically mod. crops, etc.
- China and India to perform **75% new world R&D** in 2009 (BoozAllenHamilton)

Milestones of CDTI's partnership in China



- December 2003. MoU with TORCH High Tech Industry Development Center
- May 2005. Addendum to the MoU. Start of the Bilateral Industrial R&D Program
- April 2006. Certified the first Chineka Project. Since then, 7 joint projects approved mobilizing **more than 20 Million Euros (66 % in Spain and 34 % in China)**
- Key sectors to date: biotechnology, energy, construction, IT, machinery, etc.
- Next step: Increase the number of projects, widening the composition of consortia, balancing initiatives from both sides and exchange Agency personnel (CDTI & TORCH)

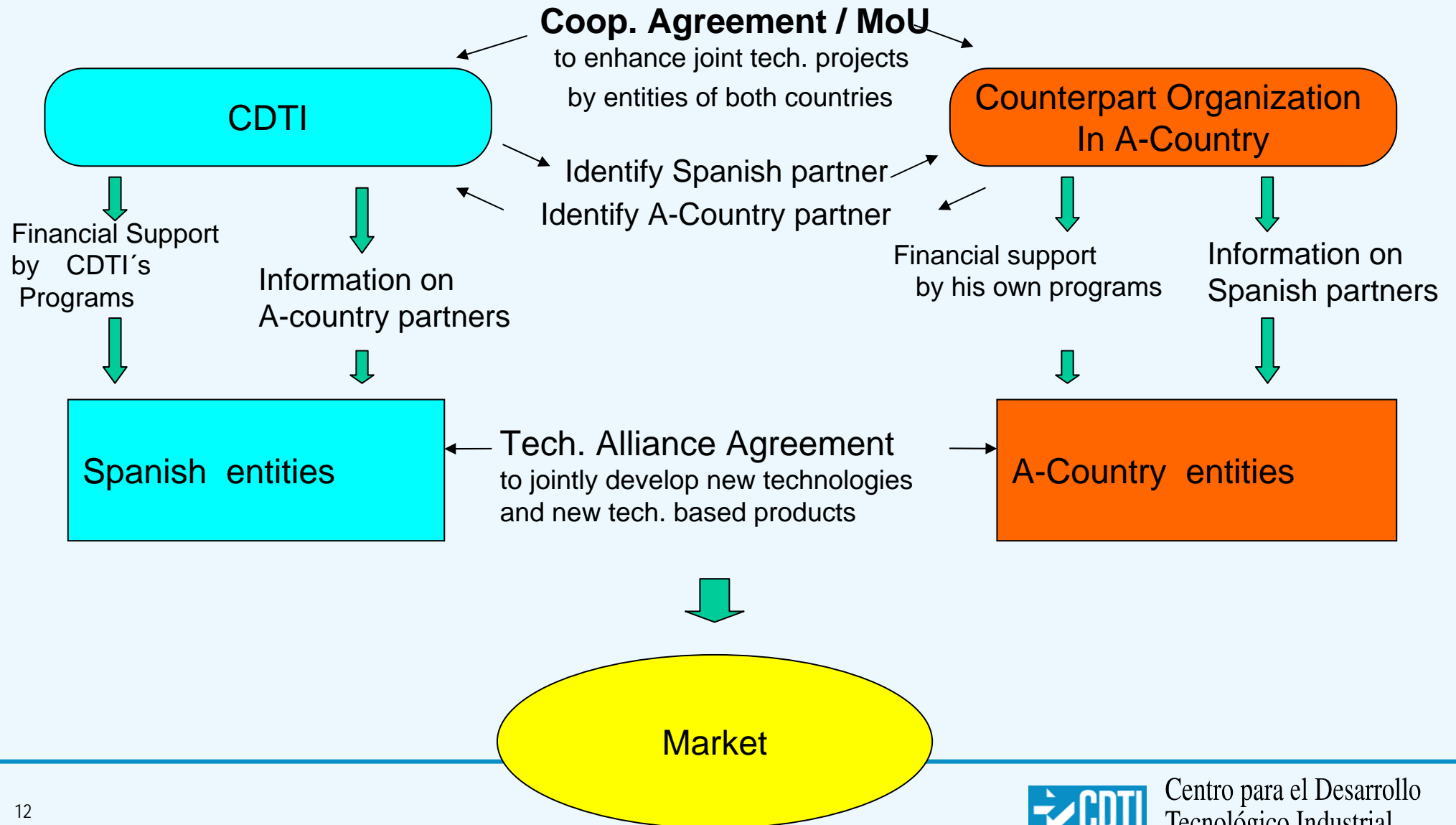
CDTI Bilateral R&D Programmes



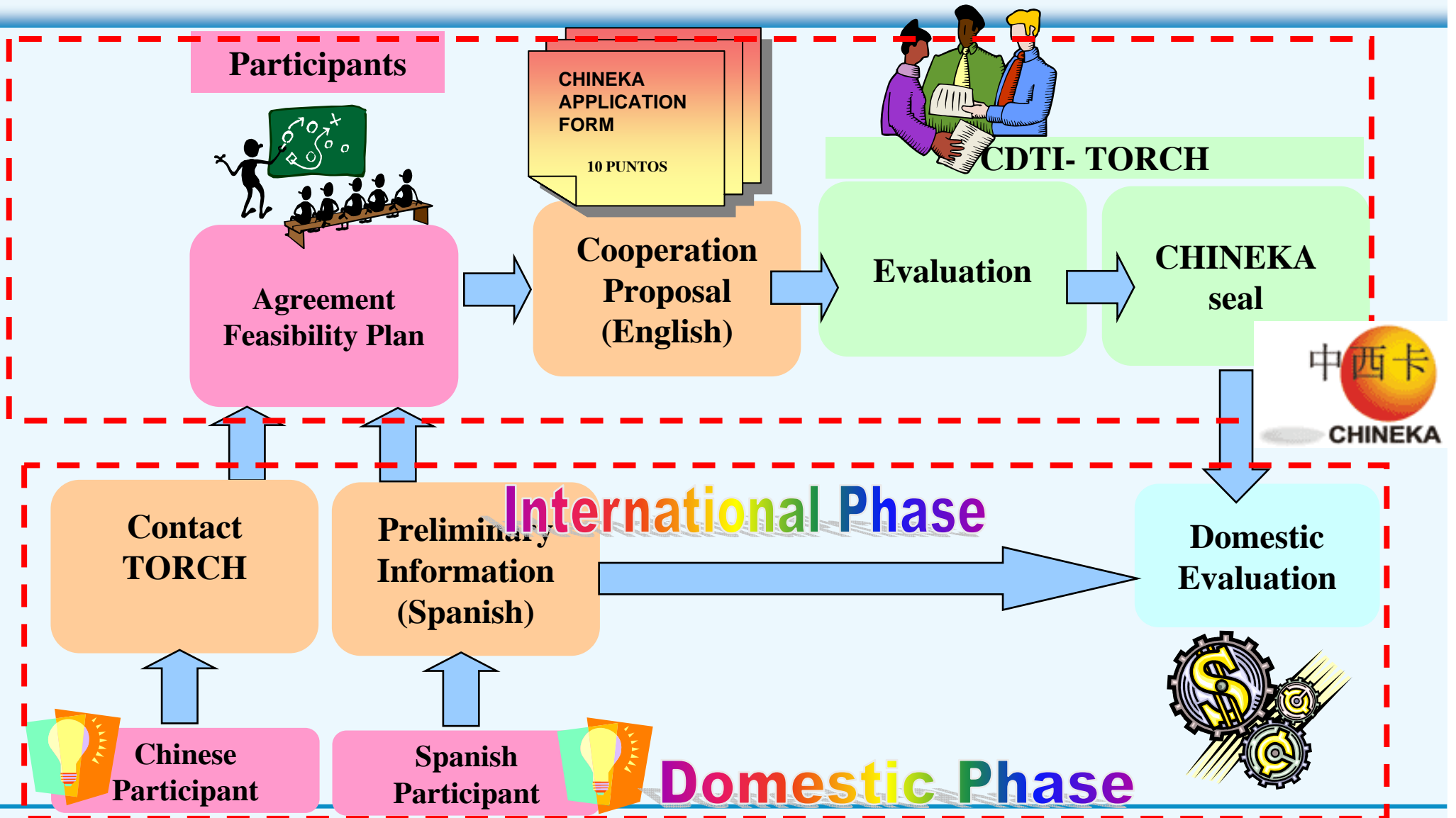
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CDTI Bilateral schemes basics



Proposal assessment and endorsement



Some lessons learned ... and a warm invitation

- Acceleration of technical change and globalisation explain that *S&T and innovation increasingly depends on international collaborations*:
 - CDTI strategy is to identify countries of high relevance to Spanish firms
 - Set-up institutional frames with public Agencies similar to CDTI
- Cooperation in R&D is key to both China and Spain:
 - To exploit synergies and complementarities in world markets
 - To access new sources of knowledge in the world
- *What to do next ?*
 - CAE and RAI can leverage participation in China
 - *CDTI and TORCH would be pleased to examine other ideas!*



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