



CLIMATE TECHNOLOGY PROGRAM

Accelerating Innovation in the Development, Deployment and Transfer of Clean Technologies

The Climate Technology Program: *Local solutions and market opportunity for a domestic clean tech industry*

The Moroccan Climate Innovation Center (CIC)

MENAREC V

Marrakech, Morocco
15 May 2012

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THE WORLD BANK



The
World
Bank

*Government loans
and policy advisory/
implementation*

infoDev

Innovate. Connect. Transform.

FPD

*(Finance and Private
Sector Development)*



IFC

IFC

*Investments and
advisory services for
the private sector*

- infoDev brings successful history of innovation in information and communication technology (ICT) for developing countries
- Rapid response team to react quickly to country needs
- A “mobile phone” technology solution for energy/climate?

De nombreux pays bénéficient de la « croissance verte »

Une
approche
proactive de
la révolution
des
technologies
propres dans
de nombreux
pays

Japan growth plan bets on green-tech, health, tourism

[Business](#) 2010-06-18 12:00

New energy industries to fuel China's green growth

Xinhua, 04 April 2011

Britain opens world's largest offshore wind farm



BY Agence France-
Presse

23 SEP 2010 6:47 AM



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EU launches race for green technology billions

Tue Nov 9, 2010 11:00am GMT

- Des objectifs de croissance verte pour améliorer le bilan environnemental, le développement industriel et économique et la création d'emplois de qualité
- Les fondamentaux (techniques, financiers, politiques, etc.) existent au Maroc pour favoriser une économie et une croissance vertes
- Le potentiel contenu dans ces fondamentaux reste à exprimer

Motivations:

- Countries want their private sector profitably involved in climate technologies
- Private sector key part of the climate technology solution
- Numerous barriers facing them

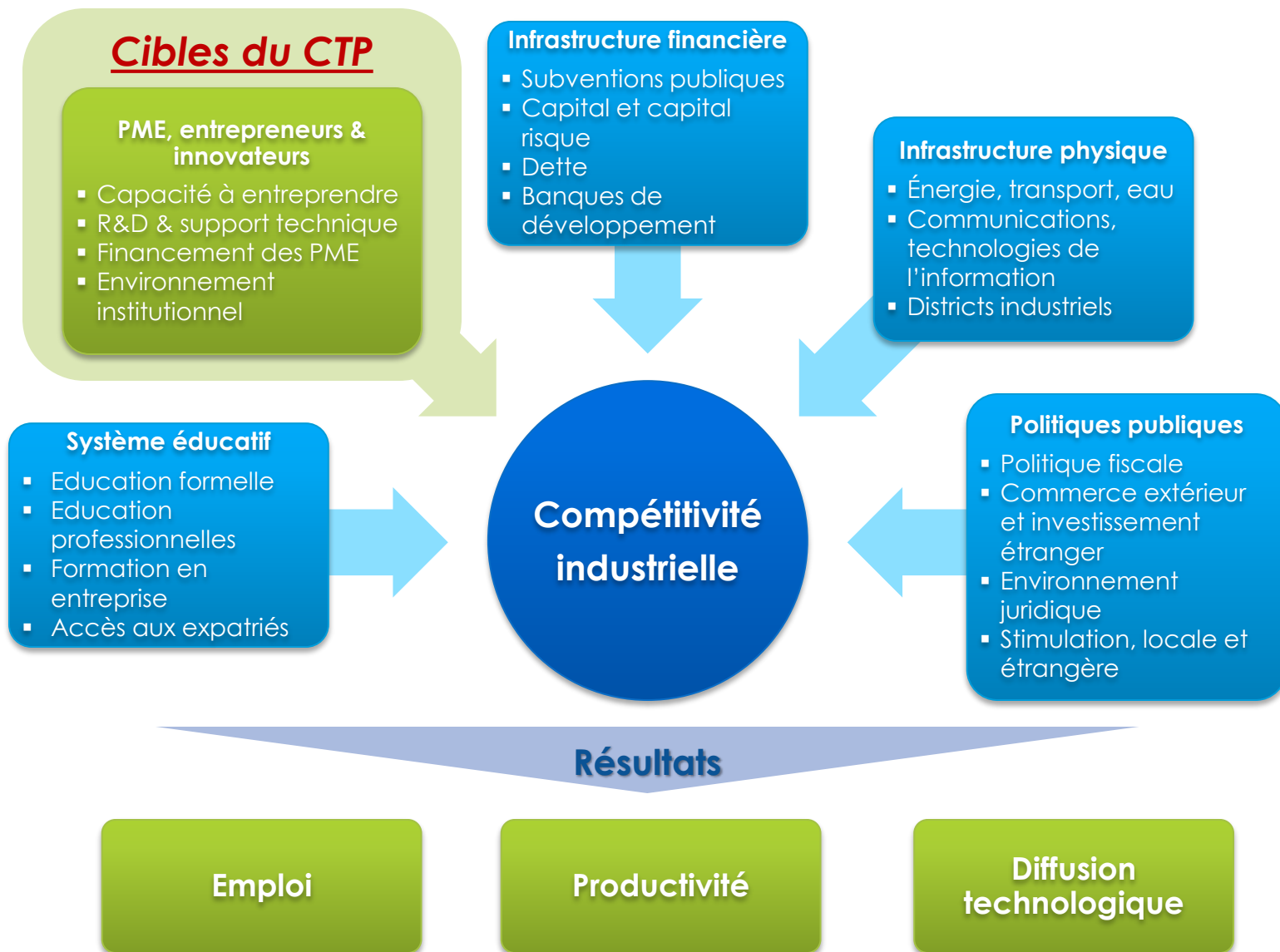
Objectives:

- Climate change mitigation and adaptation through innovative technologies and business models
- Economic development and job creation through competitive domestic industry in cleantech

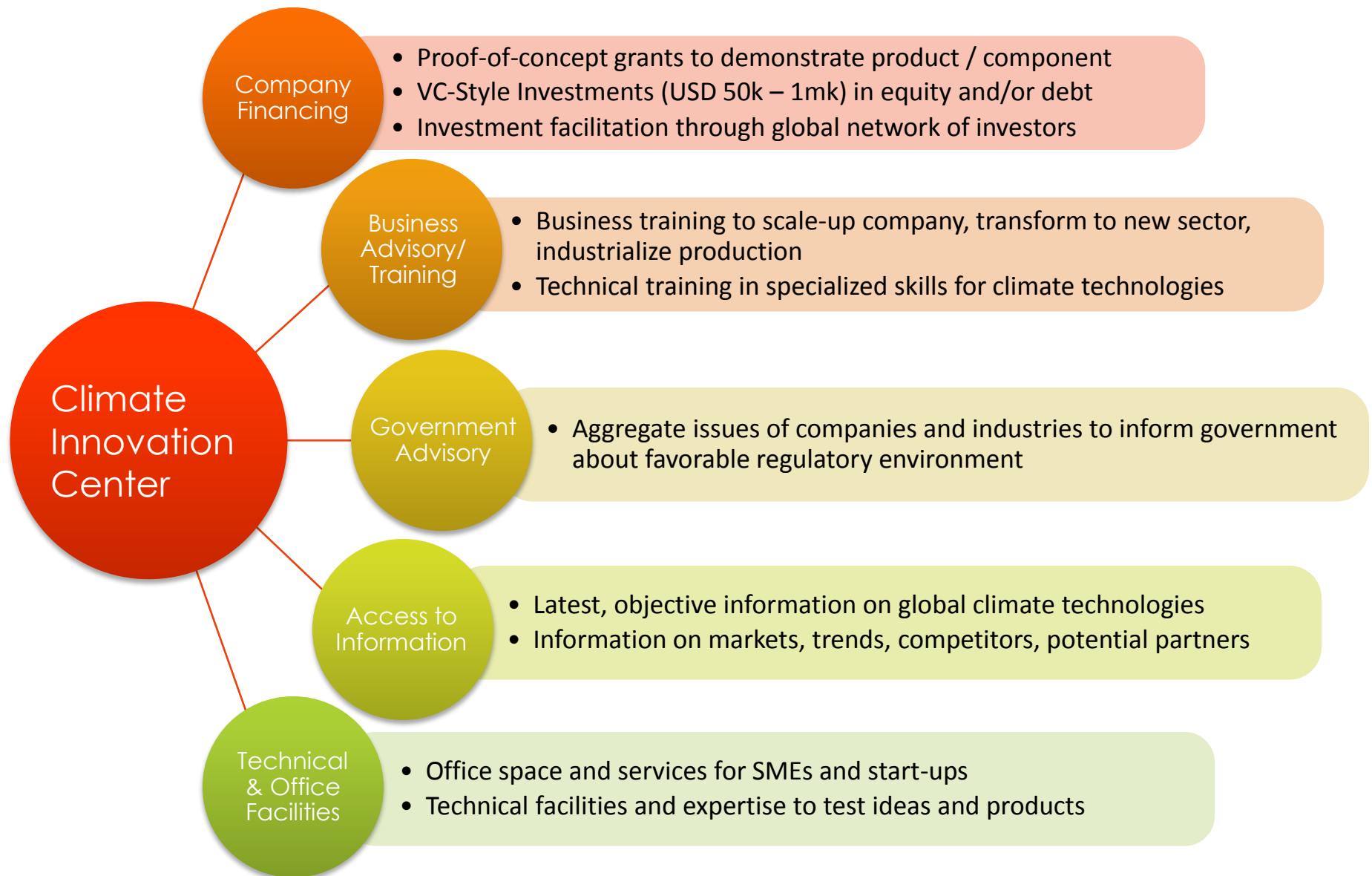
Climate Innovation Centers (CICs) help countries create competitive industries for innovative climate solutions that meet local needs



PMEs and autres innovateurs : une des clés de la compétitivité et de la valeur ajouté

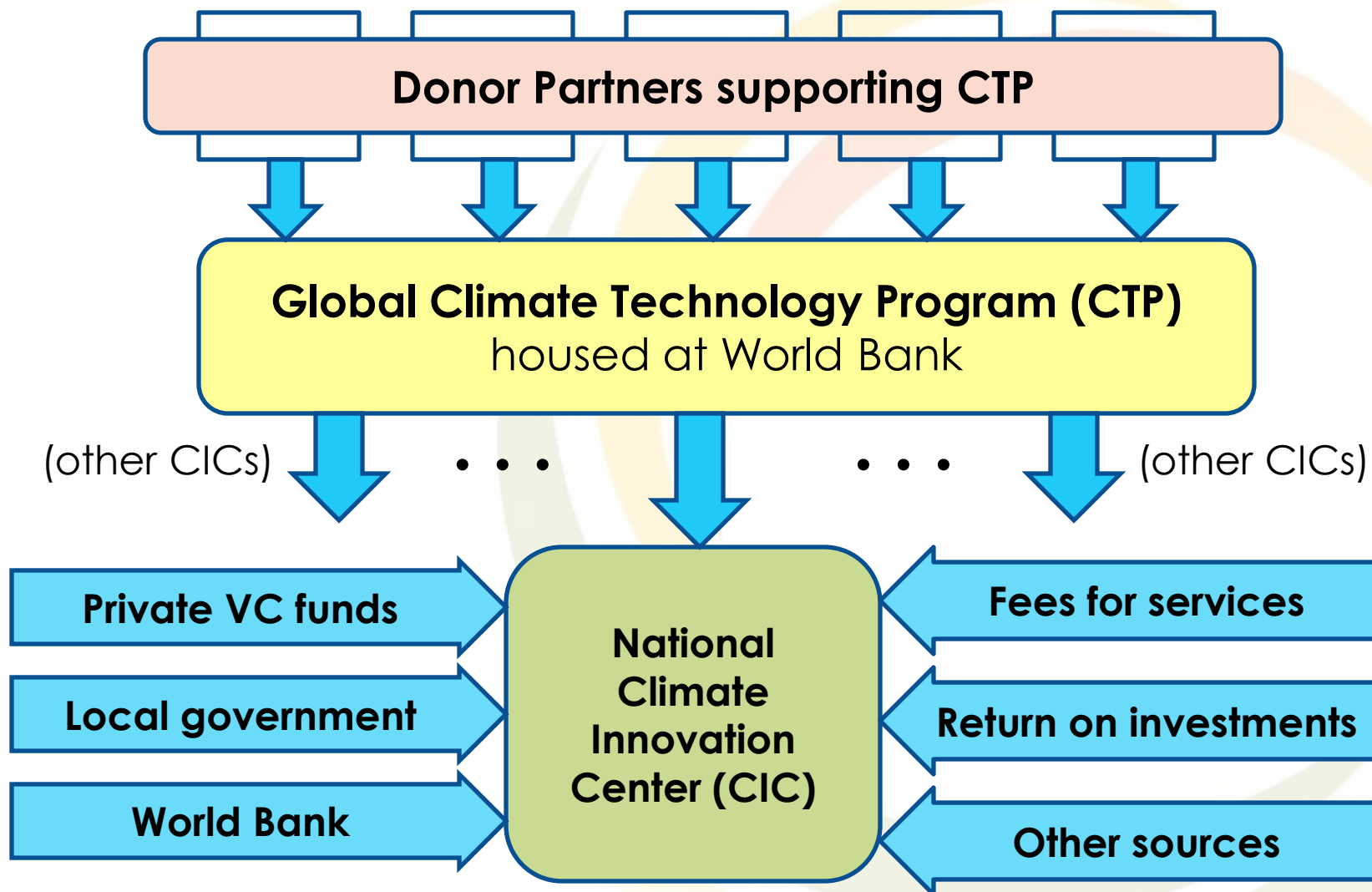


CIC Menu of potential services



Progress of CIC rollout globally

<i>Country</i>	<i>Status</i>
Kenya	Launch Q2 2012
India	Implementation Q3 2012
Ethiopia	Implementation Q2 2012
South Africa	Business Plan Complete
Vietnam	Business Plan Complete
Morocco	Business Plan Development in progress
Caribbean	Business Plan Development in progress
Kazakhstan, Egypt, Senegal, Ghana, Rwanda, Tanzania, Mexico, Columbia, Nepal, Algeria, Argentina, Philippines.	Sample of government requests received by the CTP to assess CIC feasibility



Leveraging multiple sources to achieve CIC sustainability

The CTP links activities at local and global levels to drive innovation of climate technologies for developing countries

GLOBAL

▶ **CIC Lab**

▶ **IGNITE Fund**

*Investing in Green Innovation and
Technology Enterprise Fund*

▶ **Climate TRACK** ↗

*Climate Technology Research, Analysis,
Communication and Knowledge*

▶▶ **MarketCONNECT** ◀

▶ **Impact Xchange**

LOCAL



Morocco has excellent potential for a CIC to help it benefit from climate technology innovation

- Ambitious low-carbon economic path and goals
- Acute vulnerability to climate change
- Industrial emergence and political awareness of green growth benefits
- Proximity to attractive “green” markets (eg, Europe)
- Pressing need for employment
- National innovation system has potential but still not world class

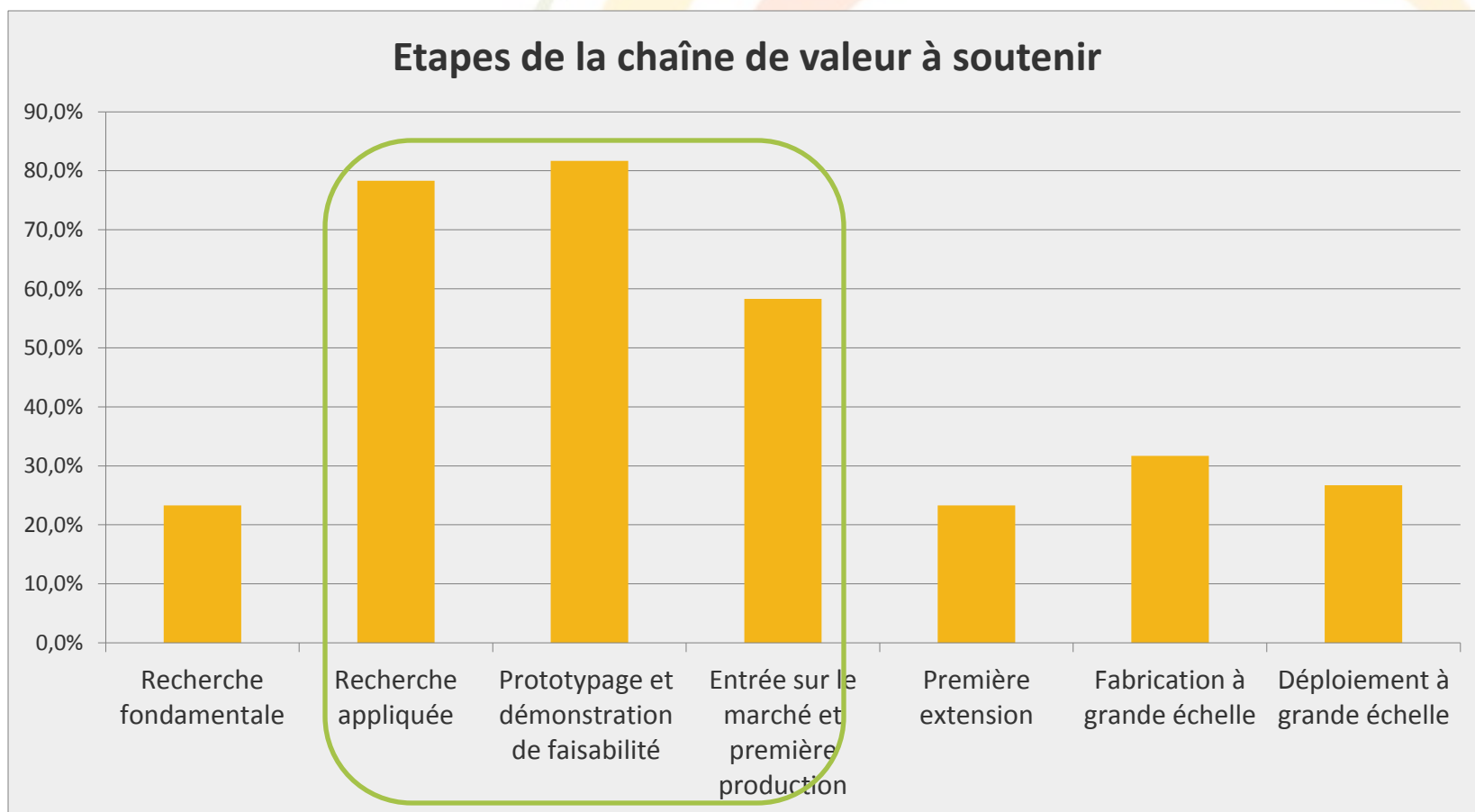
Table 1: R&D indicators, Morocco vs. OECD (2010)

	Morocco	OECD
R&D/GDP ratio (%)	0.8	2.26
Researchers per thousand people	1.87	8.54
Scientific production per million people	37	500



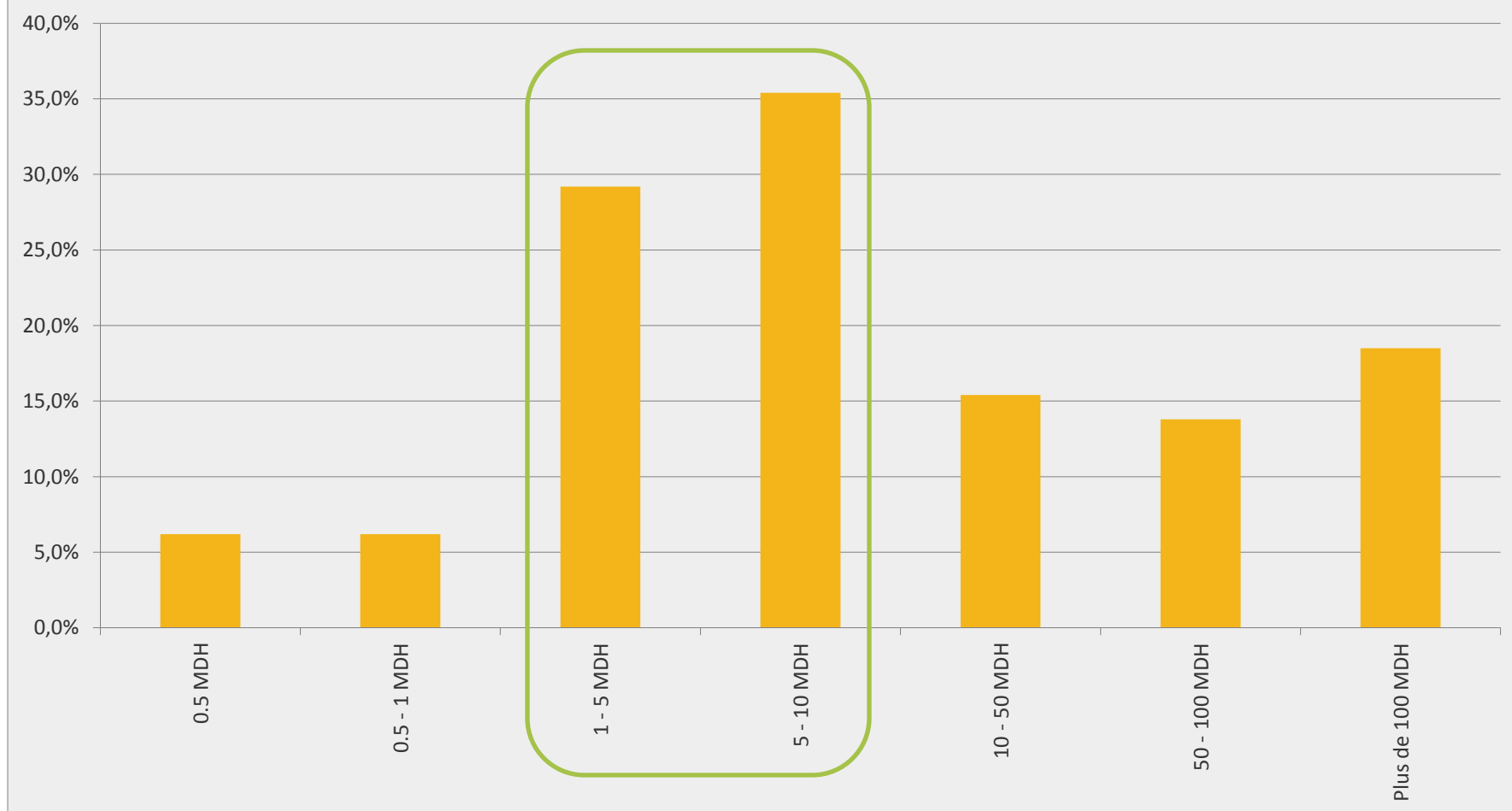
- **Objectif principal :**
Identifier un Modèle CIC Maroc et ses activités
- Sondage mené du **10 avril au 3 mai 2012**
- Total des réponses reçues : **92 réponses**
(Plus grand nombre de participants aux sondages CIC menés à ce jour)

- Actions attendues du CIC sur la chaîne de valeur



Financements attendus

Besoin en financement le plus attendu



- The World Bank will finance (\$1.5 mm) in 2013 to launch a regional Climate Innovation Network in MENA region
- Will link the Moroccan CIC with other similar activities in the region, including potentially other CICs in the region
- Undertaken by one or more local partners with infoDev CTP guidance and collaboration

Activity 1: Identify and enhance the capacity of regional climate technology partner institutions.

- (a) Identification and capacity building of regional climate innovation support institutions.
- (b) Analysis of experiences in Europe and in Africa to design an MENA Climate Innovation Network.
- (c) Hosting climate technology focused regional forums for learning and networking.
- (d) Brokering of knowledge between Morocco CIC and regional climate innovation support institutions.

Activity 2: Create an online B2B Climate Technology Market Place Platform.

- (a) Creating a B2B virtual platform through:
- (b) Establishing market needs and reviewing current B2B platforms.
- (d) Launching online market place with network affiliates.
- (f) Active brokering of technology transfer through local partners working with the virtual platform

Activity 3: Mechanism for SME Export Facilitation.

- (a) Map regional climate technology markets, opportunities and drivers
- (b) Prepare regional conference for climate tech SMEs to encourage partnering and learning.
- (c) Regional SME competition awarding business advisory services or other relevant prizes.
- (d) Link regional SMEs with each other outside the region through knowledge and information

Pour plus d'informations:
www.infodev.org.climate

