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JI/CDM project development
- roles of project developers, emission credit buyers and technology suppliers -

SUSTAINABLE ENERGY
TECHNOLOGY AT WORK

Sonja Frenzel, FutureCamp GmbH

Sustainable Energy Technology at Work:
T@W Workshop at Carbon Expo
3 May 2007, Cologne, Germany

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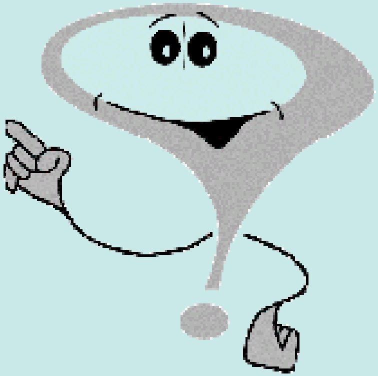
Content

- Supply & demand for JI / CDM credits
- JI / CDM project structure
- Carbon finance
- Parties involved



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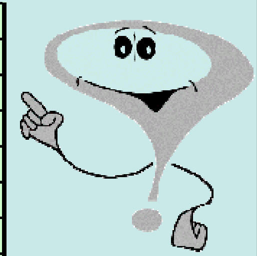
Approved NAP II, JI/CDM credits and planed gov. purchases

Country	Annual allocations incl. reserve [Mt CO_2]	% of ERUs / CERs	Amount of ERUs/CERs allowed	Government purchase [Mt CO_2/a]	Total demand until 2012 [Mt CO_2]
Adopted by EU Commission					
Austria	30.7	10	3.1	9	60.36
Belgium	58.5	10	5.9	7.04	64.46
Germany	**453.1**	**20**	**90.6**	**0**	**453.1**
France	132.8	13.5	17.93		89.64
Greece	69.1	9	6.2		31.09
Hungary	26.91	10	2.69		13.45
U.K.	246.2	8	19.7	0	98.48
Ireland	21.15	21.9	4.6	3.61	41.21
Latvia	3.28	10	0.3		1.65
Lithuania	8.85	30	2.7	0	13.28
Luxemburg	2.69	10	0.3	4.7	25
Malta	2.14	na	na	0	0
Netherlands	85.81	10	8.6	20	142.91
Poland	208.5	10	20.85	0	104.25
Sweden	22.8	10	2.3	1.1	16.9
Slovakia	30.9	7	2.2		10.82
Spain	152.25	20	30.5	57.8	441.25
Slovenia	8.3	15.67	1.3		6.5
Czech Rep	86.8	33	28.64	0	143.22



Source: EU Commission, 16.04.2007

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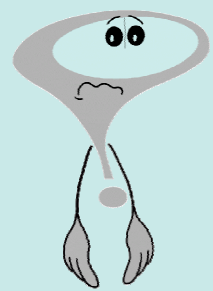
Estimation of CER and ERU supply and demand until 2012

_ Expected amount of CERs and ERUs until 2012: **2,400 m**

_ Max. demand from EU: **- 2,260 m**
- planned governments’ purchases +
- max. allowable credits amount to be used by EU-ETS installations

> Expected CERs/ERUs volumes can fully cover the max. demand from EU

_ Potential demand from non-EU Annex B: **- 2,000 m**



_ Max. supply from Russia and Ukraine: **7,300 m**
- Scenarios based on:
  - _ emission trends 2000 – 2004
  - _ emissions from 2004

_ Hard to predict: demand for voluntary purposes!

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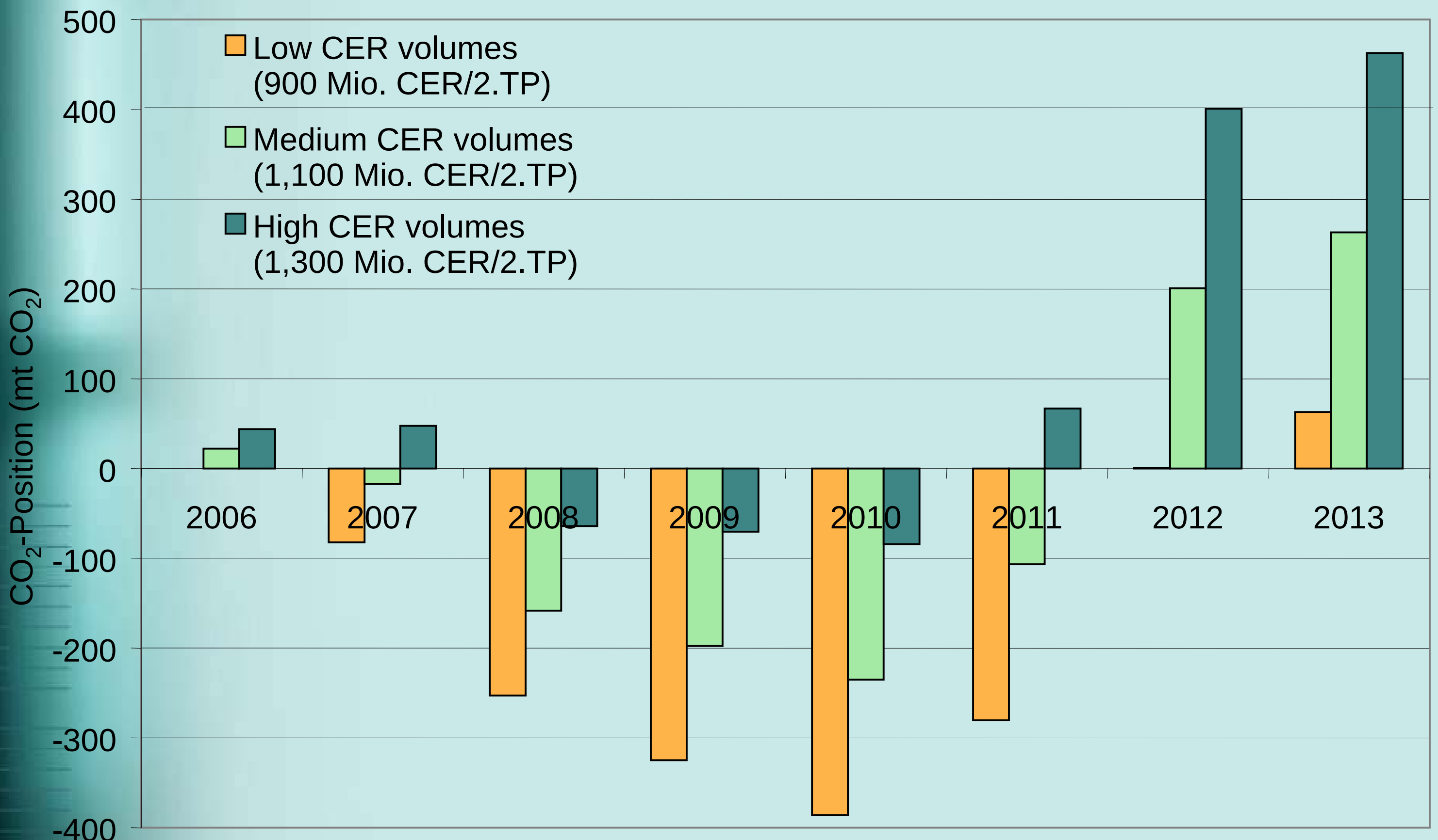
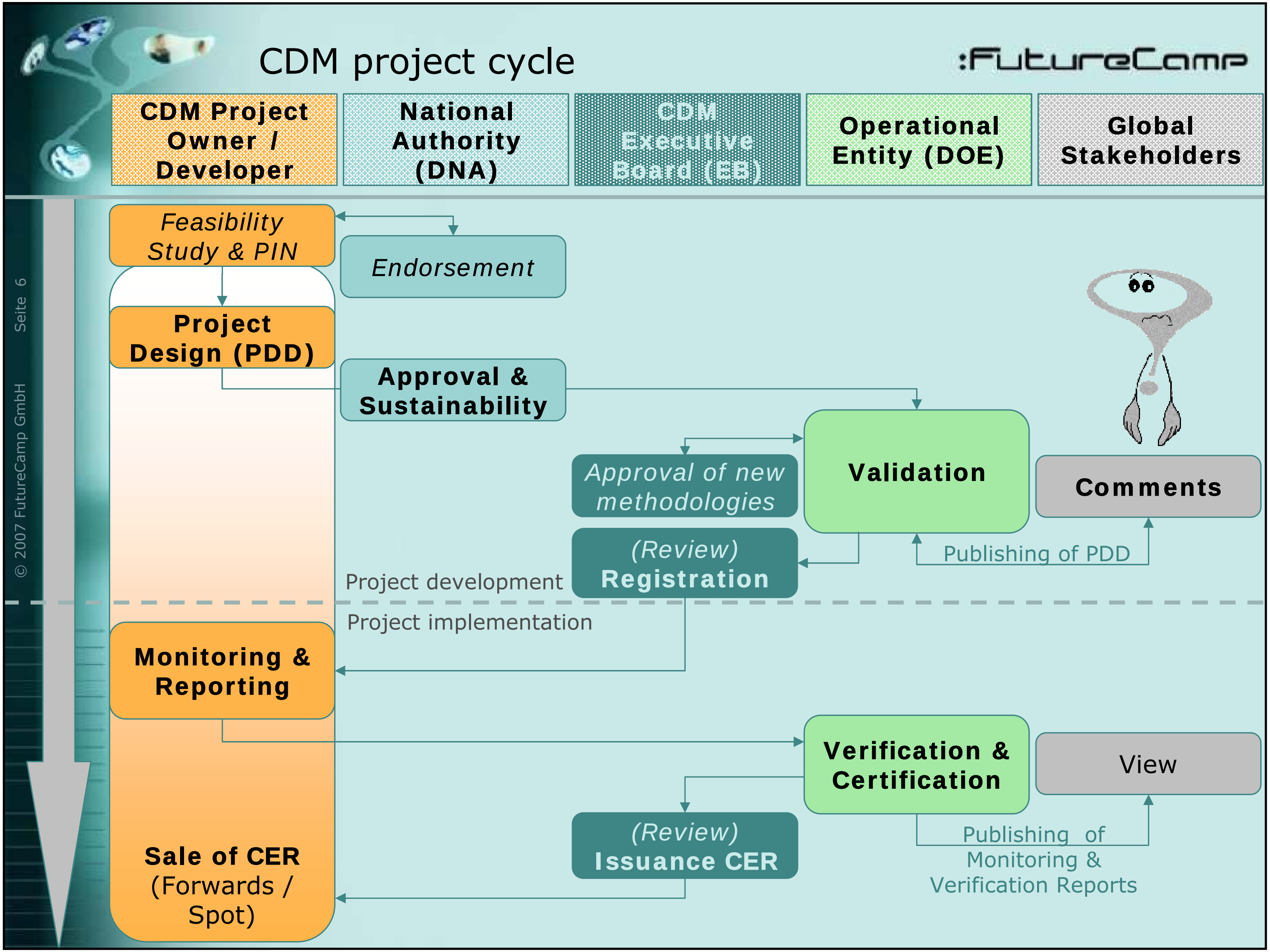
Cumulated CO_2-position **in the market** (ETS 2nd TP)



Source: EnBW Trading GmbH


CDM project cycle
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CDM Project Owner / Developer
National Authority (DNA)
CDM Executive Board (EB)
Operational Entity (DOE)
Global Stakeholders
Feasibility Study & PIN
Endorsement
Project Design (PDD)
Approval & Sustainability
Validation
Approval of new methodologies
Comments
(Review) Registration
Publishing of PDD
Project development
Project implementation
Monitoring & Reporting
Verification & Certification
View
(Review) Issuance CER
Publishing of Monitoring & Verification Reports
Sale of CER (Forwards / Spot)
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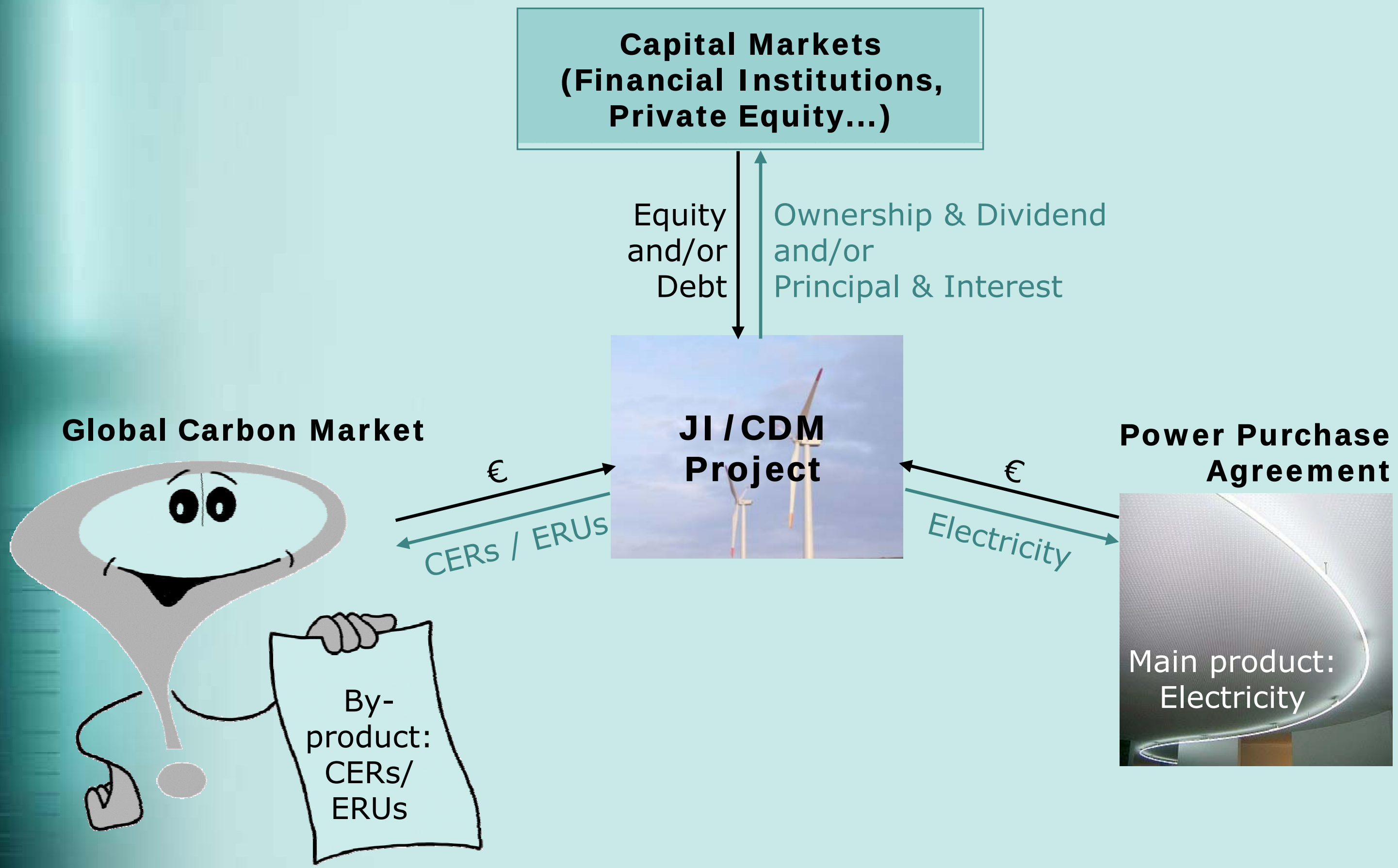
Carbon finance for a typical renewable energy JI/CDM project



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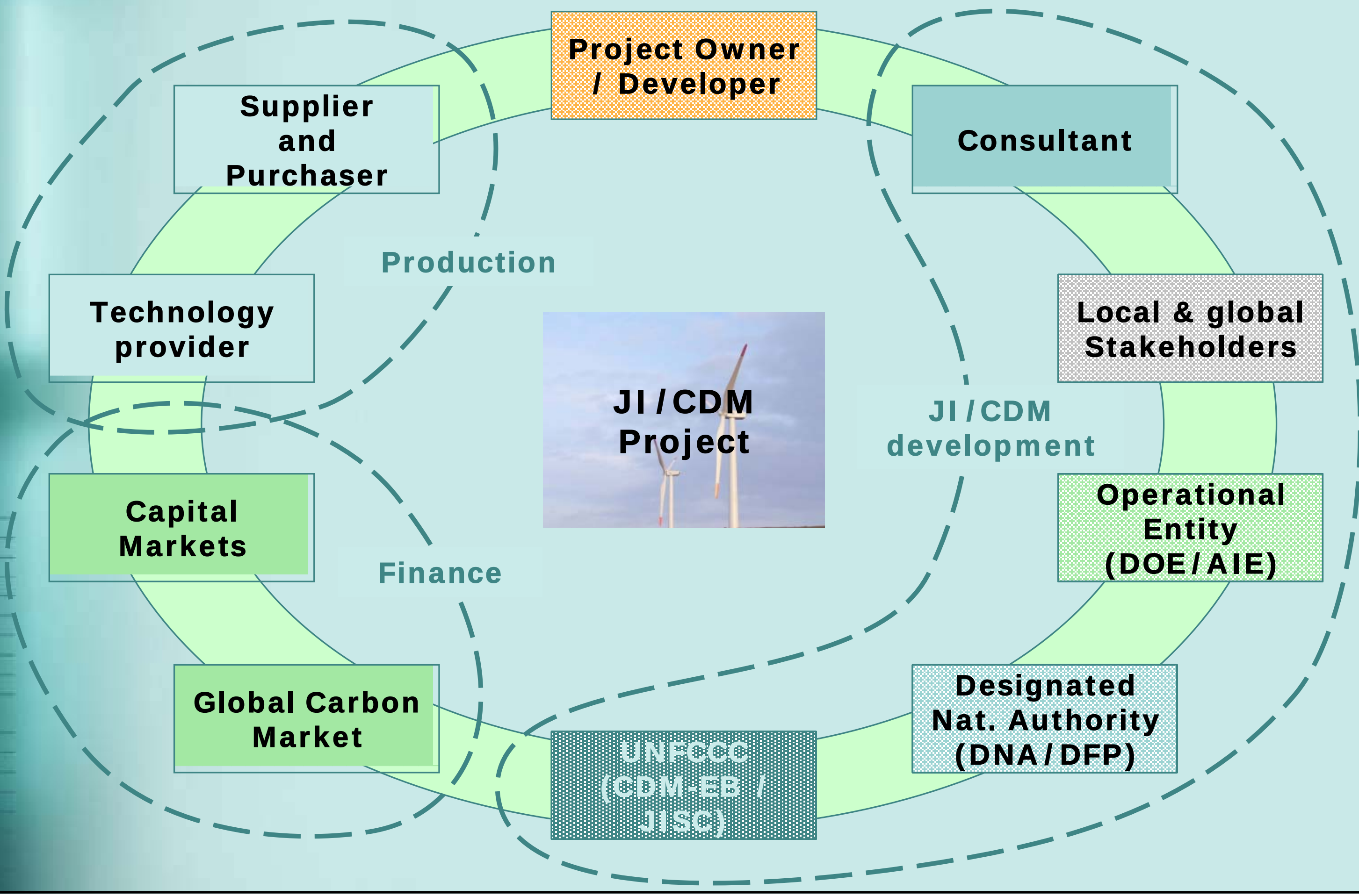
Parties involved



Contact

You find us at Carbon Expo in Hall 11.1, Stand B058, „German Pavillon“

Sonja Frenzel

FutureCamp GmbH

Chiemgaustr. 116

D - 81549 Munich

Germany

Fon +49 (89) 68 008 -330

Fax +49 (89) 68 008 -333

Sonja.Frenzel@future-camp.de

www.future-camp.de

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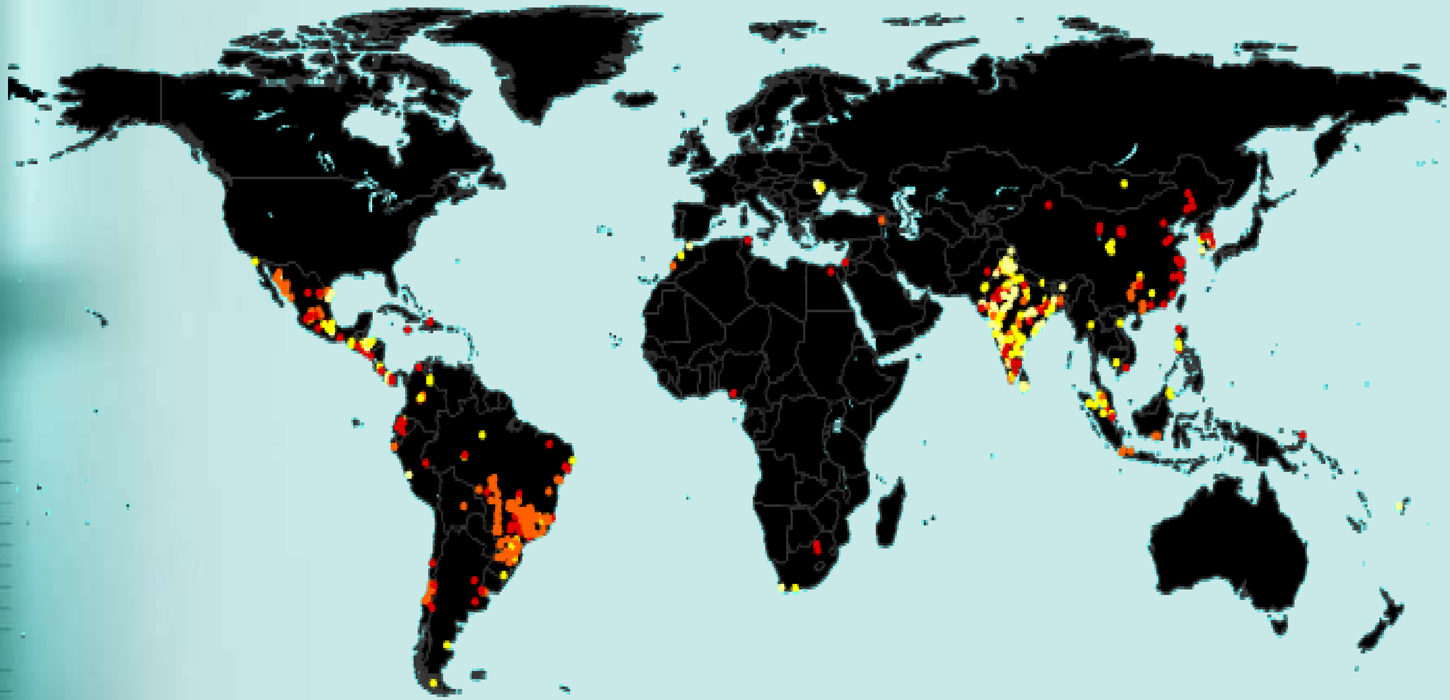
Registered CDM Projects



Source: UNFCCC