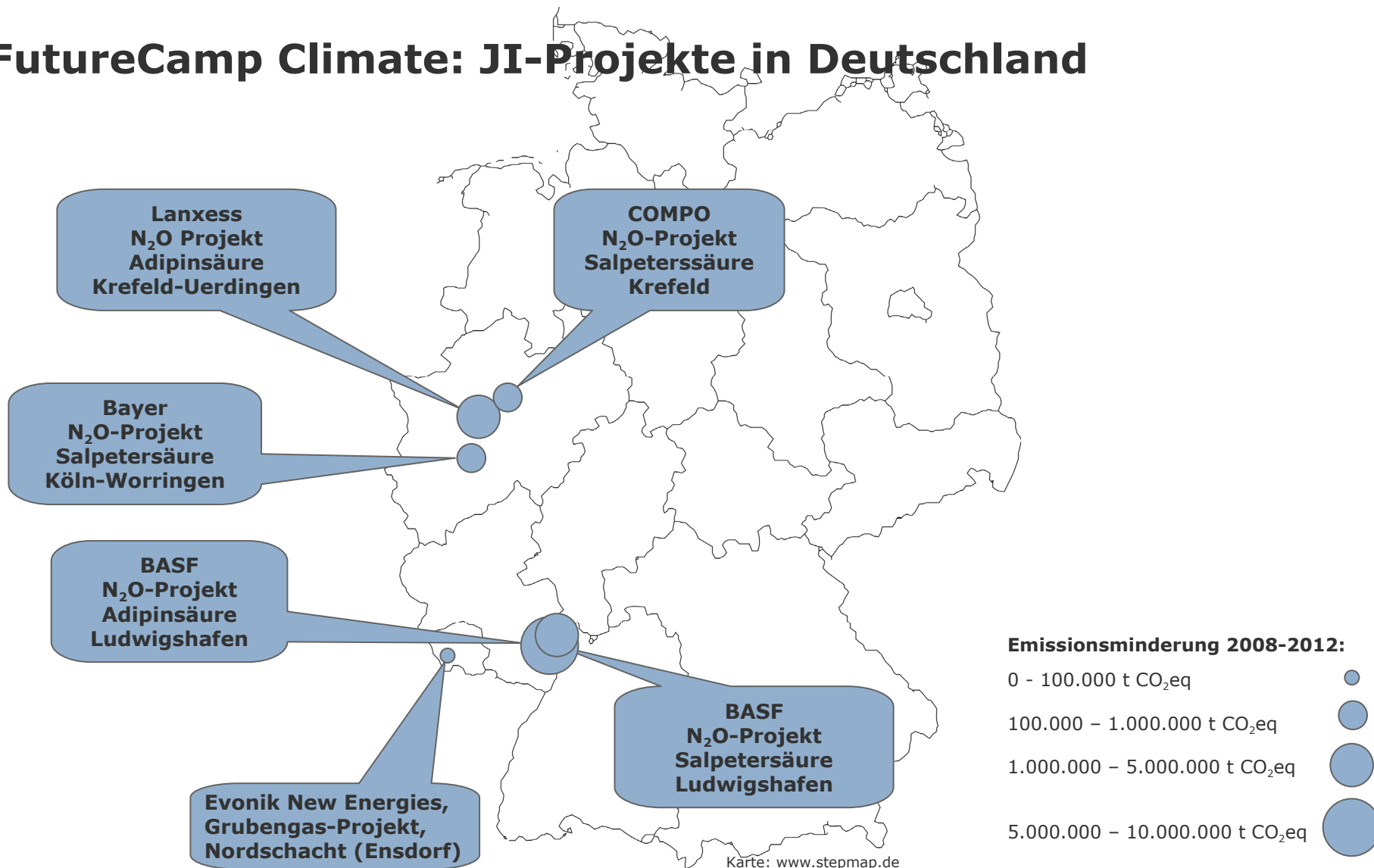


Erfahrungen mit JI in Deutschland und CDM

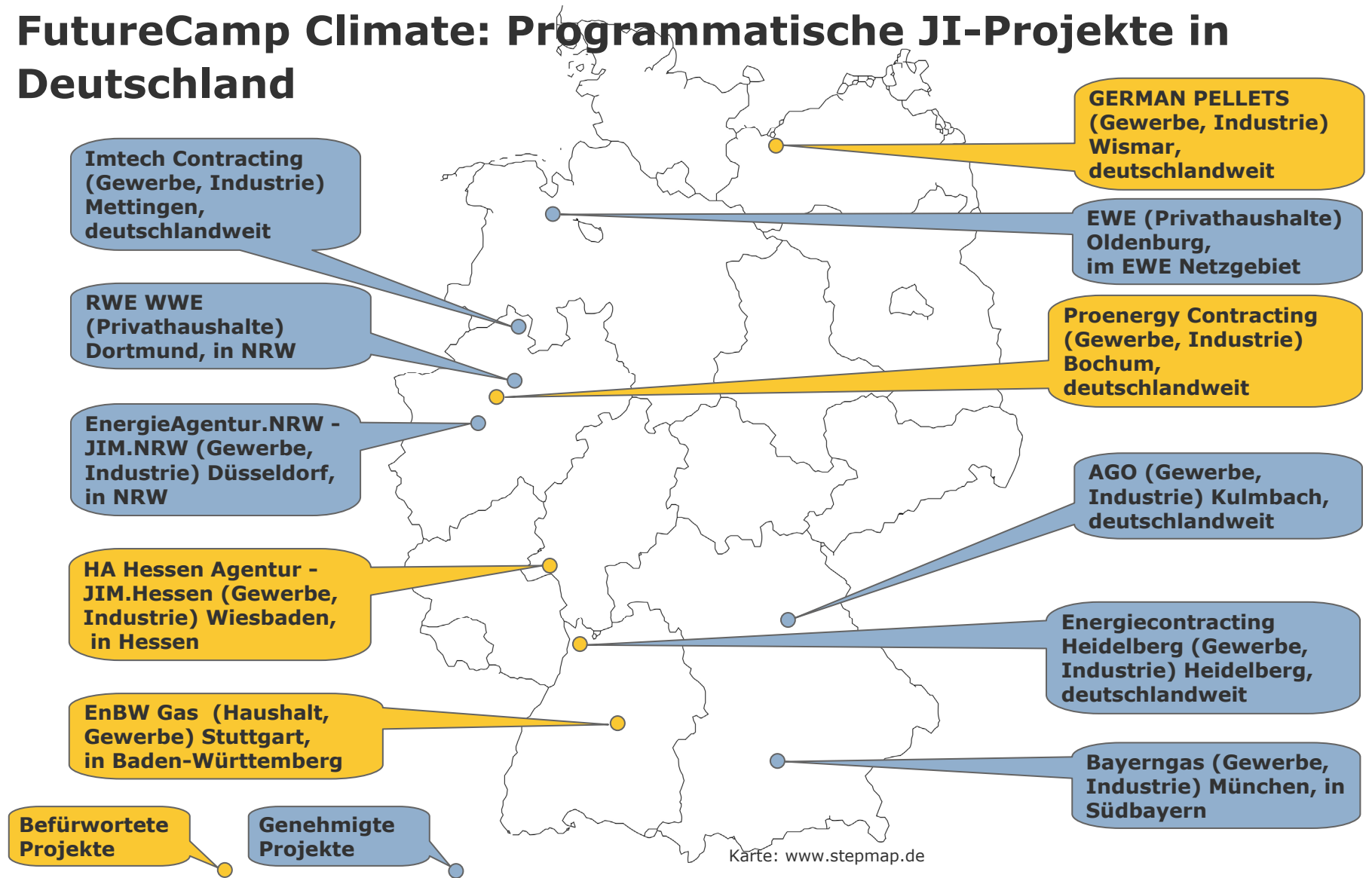
Thomas Mühlpointner
FutureCamp Climate

Frankfurt, 28.04.2010

FutureCamp Climate: JI-Projekte in Deutschland



FutureCamp Climate: Programmatische JI-Projekte in Deutschland



JIM.Hessen - Konzeption

= Vorzeitige Erneuerung und Modernisierung von Heizungs- und Dampfkesseln mit und ohne Brennstoffwechsel (Gas / Biomasse)

= Methodik

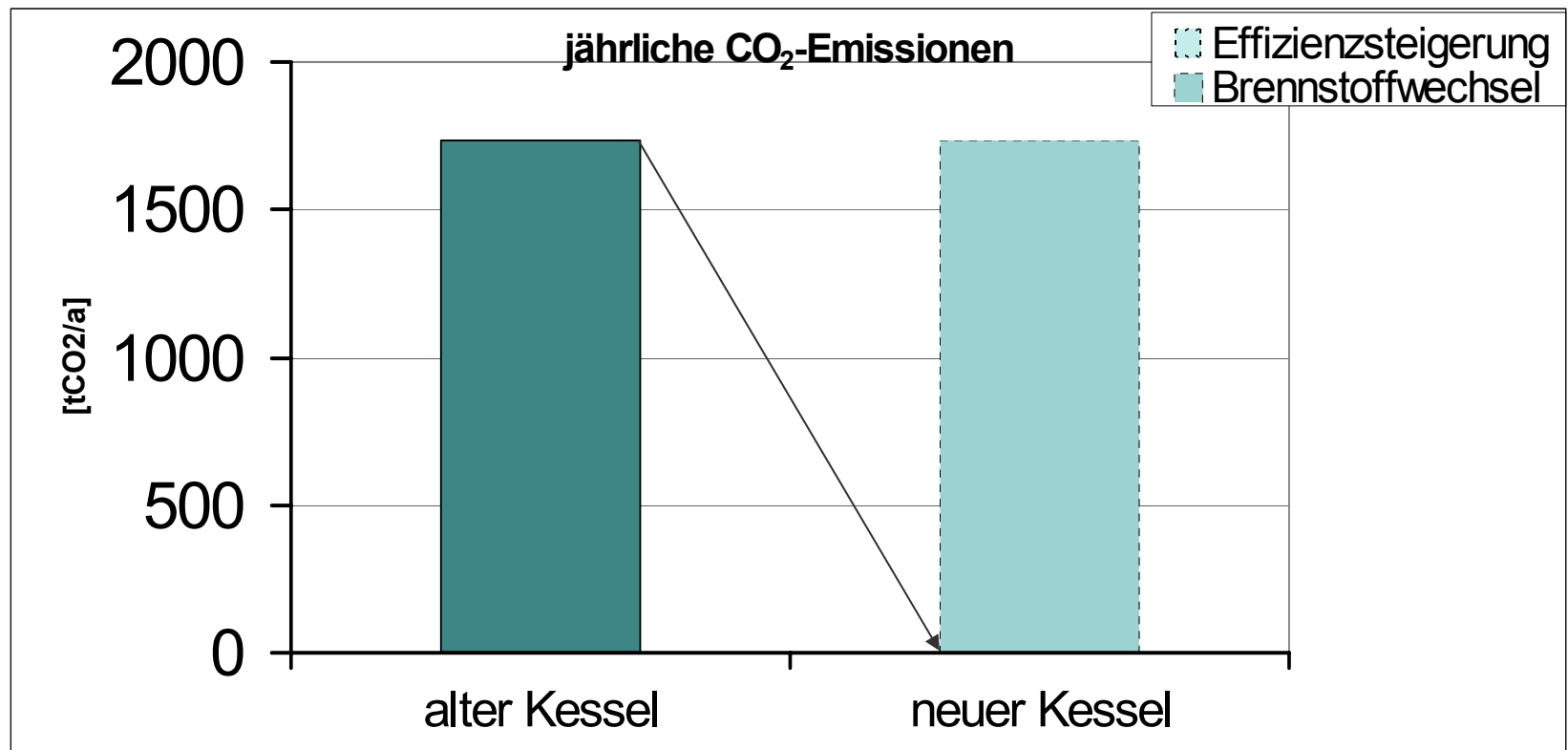
- JI-Projekt in Deutschland nach ProMechG
- Durchführung im Sinne des "Programmatic CDM" (PoA)
- Ausschluss von Doppelzählung und Doppelbegünstigung durch Festlegung der Teilnehmerkriterien
- Darstellung Zusätzlichkeit anhand „Additionality-tool“ des CDM EB

= Organisation

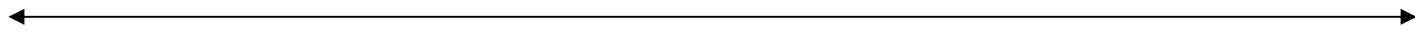
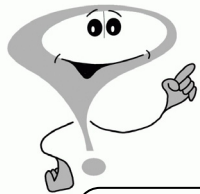
- HessenAgentur organisiert den Gesamtprozess
- Ex-post Vergütung in Höhe der tatsächlich erzielten Minderungsmenge
- Hohes Maß an Standardisierung für Berechnung der Minderungsmengen
 - _ Einfaches Rechenschema und
 - _ Monitoring für Maßnahmenträger

Beispiel Emissionsreduktionen Biomasse: Ersatz eines Ölkessels durch 1MW Holzpellet Kessel

erwarteter zukünftiger Brennstoffverbrauch	6.882.353 kWh/a	erwarteter CO ₂ -Preis:	15 €/tCO ₂
Emissionsreduktion: CO ₂ -Erlöse:	jährlich	Summe JI Bonus (bis 2012)	
	1.731,60 tCO ₂ /a	6.926,40 tCO ₂	
	25.974,00 €/a	103.896,00 €	



JI-PoAs Erfahrungen und Lessons learned



Weltweit erste Pilotprojekte
JIM.NRW, Ökobonus, RWE WVE

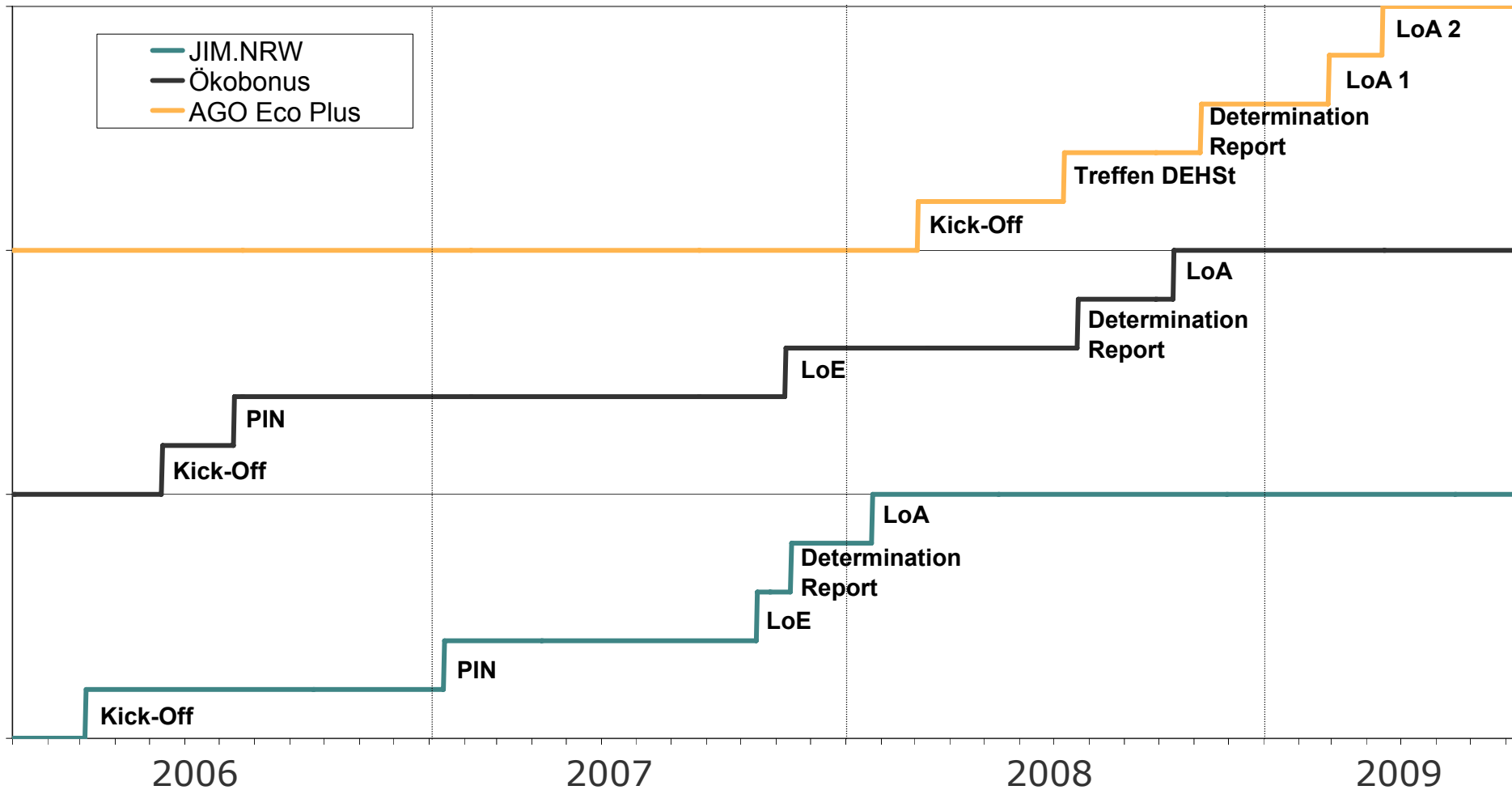
Hohe Aufmerksamkeit

Entwicklung vieler Folgeprojekte:
AGO, Imtech, EWE, EnBW Gas,
German Pellets, EC Heidelberg,
Proenergy, JIM.Hessen

Ungünstige Entwicklung
der Rahmenbedingungen:
• Rückgang der CO₂ Preise
• Wirtschaftskrise
• Limitierung bis 2012

Hindernisse bei der Umsetzung:
• Zeitachse
• Zusätzlichkeitskriterien

Zeitachse



Zusätzlichkeitskriterien bei JI PoAs in Deutschland

= JIM.NRW: Barrierenansatz

- Teilnahmekriterien filtern Teilnehmer
- Teilnahme für Anlagen <20MW möglich

= AGO Eco Plus: beispielhafte Investkostenanalyse

- Teilnahmekriterien filtern Teilnehmer
- Größengrenzen für jede Projektkategorie abgeleitet von Analyse

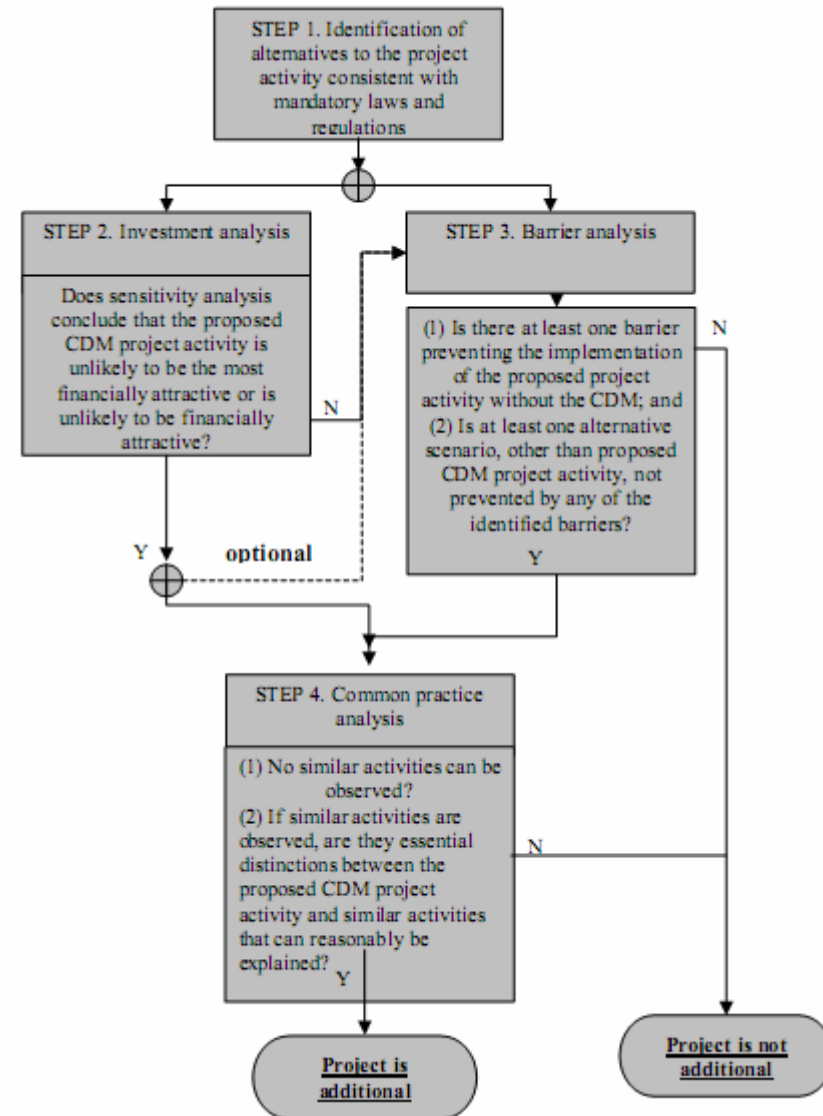
= JIM.Hessen:

- Biomasse: beispielhafte Investkostenanalyse
- Gas: Investkostenanalyse für jeden Teilnehmer

= generell: orientiert an CDM

Zusätzlichkeit im CDM

- = Tool for the demonstration and assessment of additionality (Version 05.2)
- = Guidance on the Assessment of Investment Analysis
- = Guidelines for objective demonstration and assessment of barriers



Fazit JI

- _ Auch in Deutschland interessantes Potenzial, allerdings hauptsächlich in Nischen (derzeit 14 registrierte Projekte)
- _ Ansätze für KMUs insbesondere bei PoAs
- _ Hindernisse:
 - Langer Atem nötig (Zeitachse!)
 - Zusätzlichkeitsnachweis immer ambitionierter
 - Begrenzung der Laufzeit bis 2012 lähmend

Fazit CDM

= Erfolgreicher Mechanismus alle
 = 2.164 registrierte CDM Projek

= Hindernisse:

- Zeitachse
 - _ zusätzlicher Prozessschritt geg
 - _ Versionsänderungen bei Metho
- Zusätzlichkeitsnachweis imm
- am Mechanismus)
- Keine Laufzeitbegrenzung im
- Nachfrageseite post 2012
- Schwieriger Umgang mit EB
- Hohe Anforderungen an Moni
- PoAs Umsetzung erschweren

Version	Date	Nature of revision(s)
16	EB 51, Annex 19 04 December 2009	To expand the applicability of the methodology to biomass based cogeneration project activities supplying surplus electricity to a grid.
15	EB 48, Annex 24 17 July 2009	To (a) include simplified procedures for determining efficiency of small thermal appliances used in household or commercial applications (<45kW thermal capacity), and (b) to include procedures for the estimation of baseline emission factors for co-fired systems.
14	EB 46, Annex 21 25 March 2009	To include additional baseline scenarios; expanded applicability of the methodology for renewable fuel based heat and/or power generation project activities (including cogeneration) that supply: (a) electricity to a grid and/or displace grid electricity; (b) electricity and/or thermal energy for on-site consumption or for consumption by other facilities and combination of (a) and (b); guidance on use of charcoal from renewable biomass sources; procedures for project emission calculations when applying to geothermal projects; more guidance on metering of thermal energy output.
13	EB 38, Annex 9 14 March 2008	To expand its applicability to include additional baseline scenarios (e.g., steam/heat produced from renewable biomass and electricity imported from the grid and/or generated in a captive plant in the baseline, while in the project case heat and electricity are produced by a renewable biomass based co-generation unit).
12	EB 33, Annex 22 27 July 2007	To allow for their application under a programme of activities (PoA), where the limit of the entire PoA exceeds the limit for small-scale CDM project activities.
11	EB 32, Annex 27 22 June 2007	To clarify the monitoring of biomass in project activities that apply these methodologies which is consistent with monitoring of biomass in the approved methodology AMS-I.D.
10	EB 31, Annex 20 04 May 2007	To provide options for baseline calculations when cogeneration from fossil fuels is the baseline activity thereby broadening the applicability of AMS-I.C.
09	EB 28, Annex 23 23 December 2006	To align the guidance on capacity addition and retrofit activities to be consistent with the revisions of AMS-I.D.
08	EB 23, Annex 31 24 February 2006	To (i) include provisions for retrofit and renewable energy capacity additions as eligible activities; (ii) provide clarification for baseline calculations under category I.D; and (iii) provide clarification on the applicability of Category I.A as against Category I.D.
07	EB 22, Para. 59 25 November 2005	References to "non-renewable biomass" in Appendix B deleted.
06	EB 21, Annex 22 20 September 2005	Guidance on consideration of non-renewable biomass in Type I methodologies, thermal equivalence of Type II GWh limits included.
05	EB 18, Annex 6 25 February 2005	Guidance on 'capacity addition' and 'cofiring' in Type I methodologies and monitoring of methane in AMS-III.D included.
04	EB 16, Annex 2 22 October 2004	AMS-II.F was adopted, leakage due to equipment transfer was included in all Type I and Type II methodologies.
03	EB 14, Annex 2 30 June 2004	New methodology AMS-III.E was adopted.
02	EB 12, Annex 2 28 November 2003	Definition of build margin included in AMS-I.D, minor revisions to AMS-I.A, AMS-III.D, AMS-II.E.
01	EB 7, Annex 6 21 January 2003	Initial adoption. The Board at its seventh meeting noted the adoption by the Conference of the Parties (COP), by its decision 21/CP.8, of simplified modalities and procedures for small-scale CDM project activities (SSC M&P).

Kontakt

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