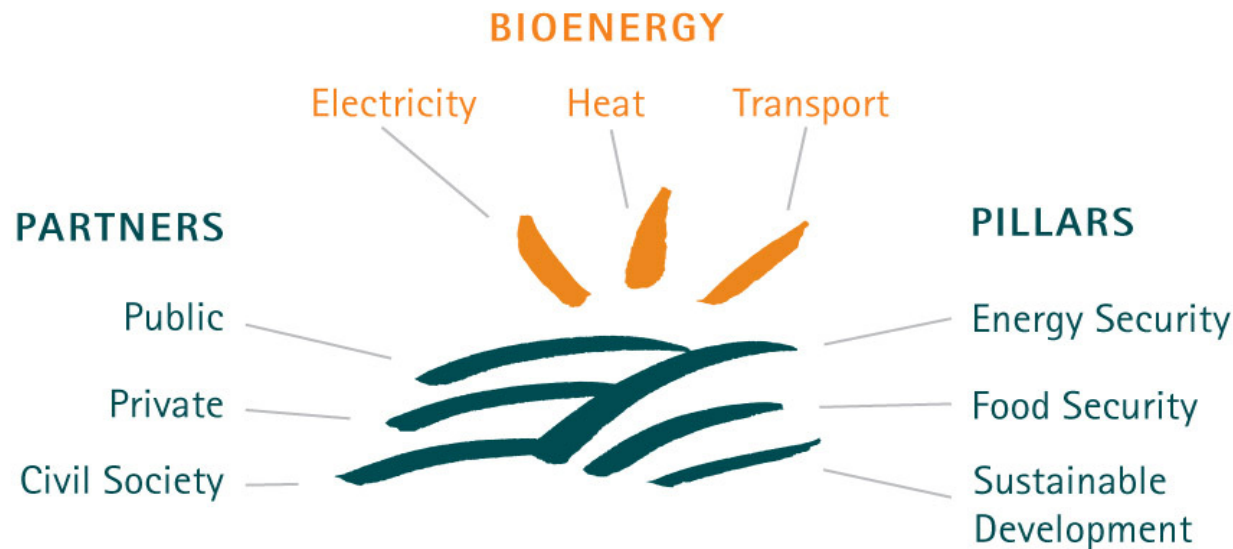


# Global Bioenergy Partnership (GBEP)

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## 2005 G8 Gleneagles Plan of Action

*"We (the G8) will promote the continued development and commercialisation of renewable energy by: [...] d) launching a **Global Bioenergy Partnership** to support wider, cost effective, biomass and biofuels deployment, particularly in developing countries where biomass use is prevalent".*

## 2007 G8 Heiligendamm Summit Declaration

*"We invite the **Global Bioenergy Partnership (GBEP)** to continue its work on biofuel best practices and **take forward the successful and sustainable development of bioenergy**"*



# GBEP Programme of Work

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- **GBEP Report** “A Review of the Current State of Bioenergy Development in G8 +5 Countries”.
- **Harmonization of methodologies for measuring GHG** emission reductions for transport biofuels and solid biomass
- **Sustainable development** principles of bioenergy
- Information exchange on **bioenergy field projects**
- **Raising awareness** and **information management**

# GBEP REPORT

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## “A Review of the Current State of Bioenergy Development in G8 +5 Countries”

- Overview of bioenergy development and policies in G8 +5 countries (Nov 07)
- Common policy priorities and concerns
- Opportunities for international cooperation
- Guidance on what still needs to be done

Available at [www.globalbioenergy.org](http://www.globalbioenergy.org)



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# GBEP REPORT

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## POLICY OVERVIEW:

- **Principal policy mechanisms** being deployed (Feed-in tariffs, taxes, guaranteed market, compulsory grid connections, other direct support and R,D&D)
- **National targets** and public incentive systems (accelerating second generation technologies)
- Government emphasis on **performance focused policies** (GHG reduction required rather than mandate amount of fuel to be consumed)
- WTO does not yet have a trade regime on biofuels; need **harmonization of technical standards.**

Country	Targets (M= mandatory; V= voluntary)		
	Electricity	Heat	Transport Fuels
Brazil	Inclusion of 3.300 MW of energy into National Energy Grid supplied in equal amounts from wind, biomass and small hydroelectric is required (M)	no targets	mandatory blend of 20 to 25% anhydrous ethanol w/ gasoline; minimum blending of 2% (B2) biodiesel to diesel by 2008 and 5% (B5) by 2013
China	China is finalizing a revised target for 16% of primary energy from renewables by 2020, including large hydro, plans include a target for 30 GW of biomass power by 2020	no targets	15% of its transportation energy needs through use of biofuels by 2020
India	no targets	no targets	A 5% blending mandate for ethanol will be established before end of 2007, and Planning Commission proposed to raise mandate to 10%. Regarding biodiesel, Committee for the Development of Biofuels has decided 20% of diesel consumption as blending target for 2011/2012.
Mexico	>1,000 MW of RES by 2006 (M)	no targets currently, (targets under consideration)	Regarding biodiesel, Committee for Development of Biofuels has decided 20% of diesel consumption as blending target for 2011/2012.
South Africa	4% by 2013 (V)	No targets	up to 8% by 2006 (V), (10% target under consideration)

Germany	12.5% by 2010, 20% by 2020 (M)	no targets	6.75% for 2010, which is set to rise to 8% by 2015; 10% by 2020 (M =EU target)
Italy	25% by 2010 (V)	no targets currently, (targets under consideration)	5.75% by 2010 (M); 10% by 2020 (M =EU target)
Japan	biomass power generation & waste power generation in the amount of 5,860,000 kl, as converted to crude oil, by 2010 (V)	biomass thermal utilization in the amount of 3,080,000 kl (this amount includes biomass-derived fuel – 500,000 kl – for transportation), as converted to crude oil, by 2010 (V)	500,000 kl, as converted to crude oil, by 2010 (V)
Russia	No targets in place, considering a 7% RES target by 2020	no targets	no targets
UK	10% by 2010, 15.4% by 2016 (M)	> 10,000 MWe of installed combined heat and power (CHP) capacity by 2010 w/ > 15% of government buildings using CHP	5% biofuels by 2010 (M); 10% by 2020 (M =EU target)
US	no targets	no targets	7.5 billion gallons (28 billion liters) by 2012 including 250 million gallons from cellulosic biomass (M); Mandatory Fuel Standard of 35 billion gallons (132.5 billion litres) of "alternative fuels" which includes biofuels by 2017, roughly equivalent to 15% of annual U.S. gasoline use
EU	20% RES as overall target for all Member States by 2020 (M)	no targets	10% by 2020 (M =EU target)

# HARMONIZATION OF GHG METHODOLOGIES

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## GBEP Task Force on harmonization of methodologies for measuring GHG emission reductions from use of biofuels for transportation and solid biomass

- USA is lead Partner on biofuels for transportation
- Germany is lead Partner on solid biomass
- Main objectives:
  - Harmonized methodology to be used by policy makers in all countries
  - Template or best practice guidance on the harmonized methodology for GHG lifecycle assessments.

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# THANK YOU

[www.globalbioenergy.org](http://www.globalbioenergy.org)

