

aireg

Aviation Initiative for Renewable Energy in Germany

Connecting know-how – Propelling progress

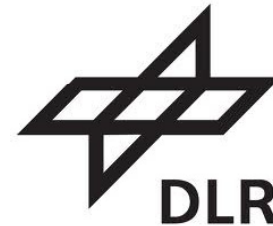
Joachim Buse
Member of the Board
Montreal, Oct. 18th 2012

aireg 
Aviation Initiative for
Renewable Energy in Germany e.V.

Launch event in Berlin, June 8th, 2011



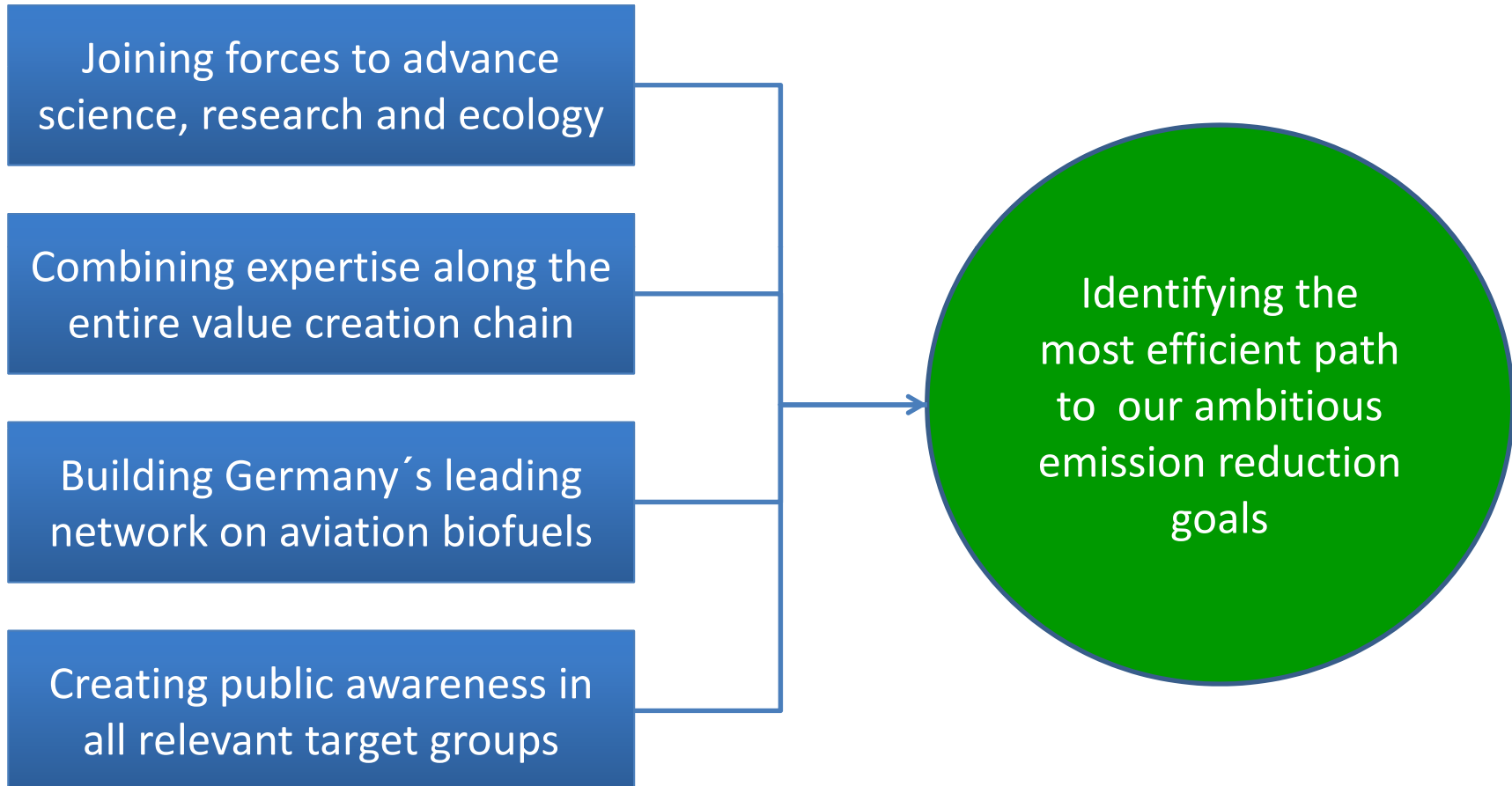
aireg's current member organizations



Jatro AG



Our mission



aireg's Working Groups





Provision of Feedstock

Assumption

- Sufficient and economical supply of biomass is the crux

Tasks

- Determine most promising kinds of feedstock
- Detect adequate regions for mass-production
- Assess sustainability for all options of feedstock provision



Technologies of Fuel Production

Assumption

- Jet A 1 will remain the standard aviation fuel

Tasks

- Supply biofuels of Jet A 1 quality
- Identify most efficient conversion process
- Quantify ecological impact of conversion process
- Establish a roadmap for large-scale biofuel distribution



Fuel Utilization

Assumption

- Adaptation of fleet or infrastructure not necessary

Tasks

- Scientifically verify „no impact“ of biofuels
- Assess future demand in Germany
- Determine feasibility of emission reduction goals
- Obtain ETS exemption



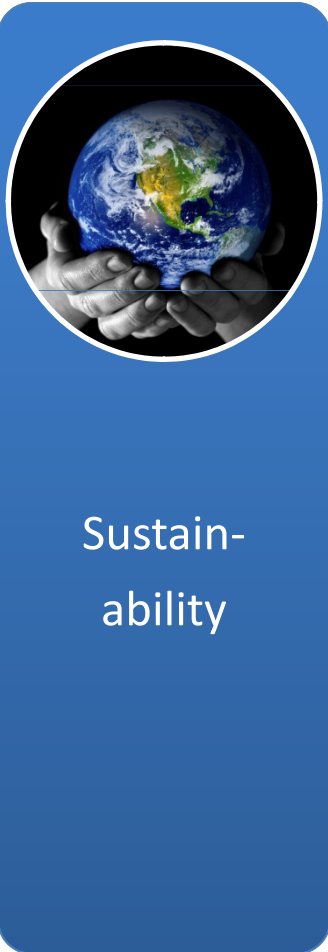
Quality and Certification

Assumption

- Self-regulated standardization requires know-how transfer

Tasks

- Assure standard compliance of biofuels
- Assist during certification of new aviation biofuels
- Safeguard qualification of new market participants
- Create platform for know-how transfer
- Coordinate inclusion of companies in ASTM process



Assumption

- Biofuels have to be ecologically and economically beneficial

Tasks

- Implement sustainability criteria along value-creation chain
- Contribute to further develop sustainability criteria
- Identify research requirements and need for political action
- Evaluate incentive systems for emission reduction

Solidifying position as national center of competence



Acting as speaker for all German aviation biofuel projects



Gaining political support



Cooperating internationally

Meet us again at the ILA Berlin Air Show 2012:

- full day international conference on aviation biofuels
- large exhibition
- joint presentation of aireg and CAAFI