

IMPLEMENTING ARRANGEMENT  
between  
THE GOVERNMENT OF THE UNITED STATES OF AMERICA  
and

THE GOVERNMENT OF THE KINGDOM OF SWEDEN  
on  
COOPERATION ON RESEARCH AND DEVELOPMENT, NEW TECHNOLOGIES,  
NEW PRODUCTS, NEW SERVICES, AND ENHANCED RESOURCE BASE FOR  
RENEWABLE ENERGY

The Government of the United States of America and the Government of the Kingdom of Sweden (hereinafter referred to as the "Parties"),

ACTING pursuant to Article 6(e) of the Agreement on Science and Technology Cooperation between the Government of the United States of America and the Government of the Kingdom of Sweden signed on June 29, 2006 (hereinafter referred to as the "Agreement");

DESIRING to promote cooperation in the fields of new and improved renewable and efficient energy technologies;

COMMITTED to promoting research and development for a sustainable energy system, including with respect to energy efficiency and diversification of energy supply; and

RECOGNIZING that new energy technologies, new products and new services are needed to secure the energy supply while meeting the challenges of climate change and the dependency on oil;

AGREE AS FOLLOWS:

**Article 1**

1. The purpose of this Implementing Arrangement is to advance bilateral cooperation between the Parties and participating entities in their respective countries in the field of development of renewable energy, giving priority to sustainable energy policies aimed at the rational development and deployment of diversified energy resources and technologies while protecting the environment and supporting their respective national economies.
2. The Federal Agencies of the Government of the United States of America and the Government Office and Government Agencies of the Government of the Kingdom of Sweden may cooperate in research and development under this Implementing Arrangement. The goal is to extend and strengthen cooperative activities in areas of renewable energy and energy efficiency to gain mutual benefit for both countries.
3. The Parties anticipate that cooperation should focus on biomass production, i.e. biotechnology for development of fast growing crops including techniques for more efficient production systems in agriculture and forestry. Cooperation should also focus on the transport sector where the conversion processes for biofuels based on lignocellulose as well as advanced automotive technologies and automotive propulsion technologies are of high interest. Other areas of interest include efforts to reduce the cost of renewable electricity as well as energy efficiency.
4. This Implementing Arrangement is subject to and governed by the Agreement.

## Article 2

The Parties hereby establish a Bilateral Working Group to explore the possibilities for cooperation in the field of renewable energy and energy efficiency. The United States part of the Bilateral Working Group may include representatives from the Department of Energy, the Department of Agriculture, the Environmental Protection Agency, the National Science Foundation, the National Institute of Technology and Standards and the Department of State. The Swedish part of the Bilateral Working Group may include representatives from the Swedish Energy Agency, Swedish Board of Agriculture, Swedish Forestry Agency, Vinnova (Swedish Governmental Agency for Innovation Systems), the Swedish Research Council for Environment, Spatial Planning and Agricultural Sciences (FORMAS), and the Invest in Sweden Agency. Each Party may also designate additional participants to attend the Bilateral Working Group meetings, to obtain each individual participant's advice, according to the topics of the agenda. Each Party may designate a national point of contact for the Bilateral Working Group.

## Article 3

1. The Bilateral Working Group should address, inter alia, the following topics:
  - (a) Research and development for new and improved sources of biomass production for energy use,
  - (b) Research and development of conversion technologies for different types of liquid biofuels, bioproducts and other kinds of renewable energy,
  - (c) Research and development for more efficient engines and lightweight vehicles,
  - (d) Standardization of engines and fuels,
  - (e) Information exchange on emission allowances and trading,
  - (f) Market development and technology transfer to ensure sustainable biofuels production and consumption in third countries with a foresight to develop a world market for biofuels, and
  - (g) Research assessing implications on farmers and rural communities from biomass production for energy use, including traditional agricultural commodities, energy crops, and other forms of biomass.
2. Activities under this Implementing Arrangement may include information exchange, seminars, and programmes for research visits and exchange of personnel between research establishments, joint research and development projects and collaboration between centres of excellence in the United States and Sweden, and other activities as jointly agreed in writing by the Parties or their designated implementing agents.

## Article 4

The Bilateral Working Group shall report on an annual basis the progress of the cooperative activities within this Implementing Arrangement to the Coordinators identified in Article 6(a) of the Agreement.

**Article 5**

1. This Implementing Arrangement shall enter into force on the date of signature by both Parties.
2. A Party may terminate this Implementing Arrangement at any time by means of a written notice to the other Party. Termination shall take effect 90 days following the date of notification.
3. Subject to paragraph 2 of this Article, this Implementing Arrangement shall remain in force for the duration of the Agreement.
4. This Implementing Arrangement may be amended in writing by the Parties at any time, so long as the Agreement remains in force.
5. Any activity undertaken under this Implementing Arrangement and not completed upon termination or expiration of this Implementing Arrangement may be continued to completion, provided the Agreement remains in force.

IN WITNESS WHEREOF the undersigned, being duly authorized by their respective Governments, have signed this Implementing Arrangement.

Done in Stockholm this 28<sup>th</sup> day of June, 2007, in duplicate in the English language.



For the Government of the  
United States of America:



For the Government of the  
Kingdom of Sweden