Activity Group 8 – Advanced liquid biofuels

**TEMPLATES FOR SUBMISSIONS**

# Best practices and experiences in advanced liquid biofuels

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| Title of the example |
| Please insert a concise and ‘visual’ overview of key results / messages / lessons learnt / best practices from your chosen example.  (Please use concise sentences that can be turned into bullets) |
| Introduction |
| **Geographic location**: *identify the country and specific location within the country*  **Type of example**: *policy, practice/approach, specific project/activity/business model (incl. type of advanced biofuel pathway, feedstock, etc.)*  **Investment**: *type of investment (private sector/governmental) and time period of investment*  **Linkage of conventional (CBs) and advanced biofuels (ABs)**: *does your Example include information on how CBs could be used as a bridge towards ABs? If yes, how was this achieved?*  **Status**: *specify whether the example is currently being implemented and indicate start and end dates, if known* |
| Drivers, benefits, challenges and prospects |
| **Reasons or main drivers**: *for implementing the project/practice/policy*  **Key enabling factors**: *describe the main environmental, social, economic and/or policy-related factors (if any) that enabled the implementation of the Example and contributed to its success*  **Technology transfer**: *please mention any organisation/initiative/country who collaborated on the project or provided technical expertise*  **Benefits**: *please provide a description of how the Example you are providing has produced or is expected to produce environmental, social and economic benefits*  **Main challenges encountered**: *describe some of the main challenges, e.g. policy, technical, financial, others*  **Indicators**: *please describe any* *indicators that were used to measure the outcomes of your Example.*  **Potential for scaling-up and replicability**: *discuss whether and under which conditions the Example could be potentially scaled-up and replicated elsewhere and under which circumstances* |
| References and additional information |
| Contact name, Affiliation/Organisation  Further relevant details, e.g. organization description, size and type of investment (i.e. public, private or public/private)  Link with information about the example (if available)  Publications (if available) |

# National and regional policies

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| --- | --- | --- |
| Implementing Agency/Ministry | |  |
| Policy/Activity Name | |  |
| Legal and regulatory instruments | Policy/Activity Type |  |
| Existing Legislation |  |
| Policy/ Activity Target Area |  |
| Impact on bioenergy | Direct |  |
| Indirect |  |
| Impact on Production Stream | Production |  |
| Conversion |  |
| Use |  |
| Funding Mechanism | |  |
| Progress/results | |  |
| Comments | |  |

For the purposes of this table:

“Policy” is considered to be law created through interpretation and regulatory guidelines put forth by the implementing agency(ies). "Policy Type" is considered to identify the type of law and the goals of the mandate. "Activity Type" is defined in two categories: International (binding or non-binding - bilateral or multilateral) agreements and collaborations, or non-binding/voluntary recommendations/programmes that advance the implementation of bioenergy, biofuels, and renewable energy into the energy stream. "Legislation" is defined as national or state (sub-national political boundaries) legislative mandates. "Target Area" is defined as the sector on which the policy's/activity's goals and objectives are focused - the area of most direct impact and engagement. (e.g industry, bioenergy producers. bioenergy suppliers, farmers, educational institutions).

"Direct" is defined as policies or activities that directly impact the energy sector. These items may include policies or activities that promote national/state bioenergy action plans; production and use of biofuels for transport (including blend mandate, type of fuel, market segment, target flexibility, enforcement provision); electricity generation from biomass (including market penetration targets, target flexibility, enforcement provision, and heat generation from biomass including targets, target flexibility, enforcement provision). "Indirect" is defined as policies or activities that impact the energy sector by influencing activities in other sectors - affecting bioenergy deployment both directly and indirectly. Policies and activities from the following sectors should be considered: agriculture/land use, environment, trade/industry, forestry, waste management, poverty reduction, rural development, and employment.

"Production" relates to feedstock, farming practices, land use, or other aspects associated with the production of bioenergy agricultural crops (raw materials). “Conversion" refers to the practices (processing, refining, etc...) and energy efficiency methodologies used in the conversion of raw bioenergy materials into end-use products. "Use" refers to end-use (i.e. electricity, heat, fuel for transport, etc...). In this section of the table, we asked each country to show what part of the production stream would be affected by the listed policies and activities (i.e. Production, Conversion, Use).