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Biobased Future

Mitteilungsblatt über Biomasse für Energie und Industrie in einer nachhaltigen Wirtschaft

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chain, from substrate pre-treatment, digestion systems up to gas upgrading processes, especially for those technologies which are yet in the first phases of their development, e.g. between experimental proof of concept and a validated prototype (Technology Readiness Level 3-5 according to EC definition).

To support the further development and exploitation of the most promising technology solutions and to bridge the gap between research and market, the Biomethane Map has been established to bring the industry and research sector, the end users and other important stakeholders together. **The Biomethane Map** presents small and medium sized enterprises, industry players and research institutions in Europe who investigate in above mentioned technologies to reach a cost and energy efficient biomethane production at plants with a production capacity of < 200 Nm³/h raw biogas.

Further Information: <https://biomethane-map.eu/Biomethane-Map.70.0.html>

Seemla

The main objective of the H2020 funded EU project SEEMLA (acronym for “Sustainable exploitation of biomass for bioenergy from marginal lands”, January 2016 – December 2018) is the establishment of suitable innovative land-use strategies for a sustainable production of plant-based energy on marginal lands while improving general ecosystem services. The use of marginal lands (MagL) could contribute to the mitigation of the fast growing competition between traditional food production and production of renewable bio-resources on arable lands.

The project will focus on three main objectives:

- (i) promotion of re-conversion of MagLs for the production of bioenergy through the direct involvement of farmers and foresters
- (ii) strengthening of local small-scale supply chains
- (iii) promotion of plantations of bioenergy plants on MagLs

Hence, SEEMLA will involve farmers and foresters directly to the process, in order to minimize conflict potentials with traditional agriculture, and will contribute to building up small-scale supply chains for biomass local sites. This will lead to increasing the production of bioenergy, farmers’ incomes, investments in new technologies and the design of new policy measures. An essential part of the project is to ensure the environmental and socio-economic sustainability of the foreseen actions: impacts on biodiversity, fauna, flora, soil and water will be analyzed by a life cycle assessment (LCA), as well as strategies, policy guidelines and handbooks will be elaborated.

Further Information: w.baumgarten@fnr.de; www.seemla.eu

European cluster collaboration for better natural resource efficiency

The social and economic significance of natural resources is increasing rapidly. By 2050, the global population is expected to have grown by 30 % to around 9 billion; agricultural production will have to be increased by 70 % while agricultural lands can only be increased by 12 %! Intensive use of the world’s resources puts pressure on our planet and threatens the security of supply. In response to these changes, increasing resource efficiency will be key to securing growth and jobs for Europe. It will bring major economic opportunities, improve productivity, drive down costs and boost competitiveness. It is necessary to develop new products and services and find new ways to reduce inputs, minimize waste, improve management of resource stocks, change consumption patterns, optimise production processes, management and business methods, and improve logistics.

A group of European clusters – Femac (SP), Green Chemistry (PL), Inbiom (DK), Agrocluster (PT), CREA (CZ), VEGEPOLYS (FR), Green Synergy (BL), biomastec (DE) and Innoskart (HU) – came together and decided to be part of the new challenge for better natural resources. They call themselves **The Natureef!** They will promote natural resource efficient solutions & businesses in South America, Asia and ASEAN countries.

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Mit „Biobased Future“ verbreiten wir Informationen über nachwachsende Rohstoffe und deren stoffliche und energetische Nutzung, sowie über das Geschehen in IEA Bioenergy. Veröffentlicht werden Kurzbeiträge über Ereignisse, Projekte und Produkte. Die Zeitung wird vom Bundesministerium für Verkehr, Innovation und Technologie (BMVIT)/ Abteilung für Energie- und Umwelttechnologien finanziert.
 IEA Bioenergy steht für eine Kooperation im Rahmen der Internationalen Energieagentur mit dem Ziel einer nachhaltigen Nutzung von Bioenergie. Die Teilnahme an den Tasks in IEA Bioenergy wird ebenfalls vom BMVIT/ Abteilung für Energie- und Umwelttechnologien finanziert.

Beiträge sind willkommen. Die nächste Ausgabe befindet sich in Planung.
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Wenn Sie in den alten Nummern nachlesen wollen: alle Ausgaben finden Sie auf der Webpage „NACHHALTIGWIRTSCHAFTEN“ (www.nachhaltigwirtschaften.at).

Sämtliche Ausgaben der „Nachwachsenden Rohstoffe“, unseres Vorgängers, können [hier](#) mit den Suchbegriffen „Nachwachsende Rohstoffe“ und „Wörgetter“ gesucht werden
<http://www.iosephinum.at/blt/forschung/publikationen.html>