



IEA Task 40 Deployment of biobased value chains

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Berichte aus den Tasks, BMK, 27.02.2020

Task 40 Objective

The Task 40 objective is to support deploying viable, efficient bioenergy value chains in the context of

- ▶ sustainable, national and international markets,
- ▶ reflecting on policy developments, and economic aspects, including financing
- ▶ international, national and regional trade of biomass,
- ▶ recognizing the diversity in biomass resources, value chains and competitive applications for bioenergy, biobased materials and products.

The focus of T40 in the new triennium is on the development and design of efficient, economically viable and bankable value chains in order to support a larger deployment of sustainable biomass for energy, but also for biobased products and materials, taking into account food, feed and fiber markets.

In short, the Task will work on deploying sustainable biomass for energy in the context of the larger bioeconomy.

Work-packages, task projects, inter-task projects & strategic inter-task projects

▶ WP1 Market development

- New regional bioenergy markets
- Regional transitions in existing bioenergy markets
- Market perspectives and guidance on aviation and marine biofuels (intertask)
- Globalized sustainable biobased value chains in the bioeconomy context

▶ WP2 Industrial Heat & Processes

- Inter-task case studies (Task 32, 33, 34, 36)
- BECCS/U (intertask)

▶ WP3 Deployment Strategies

- Deployment guidance regarding economic aspects & financing
- Renewable gas (strategic intertask)
- Role of bioenergy in a Well-below 2°C/SDG world (strategic intertask)
- Follow-up to success stories project

Work-packages, task projects, inter-task projects & strategic inter-task projects

▶ WP1 Market development

- New regional bioenergy markets
- Regional transitions in existing bioenergy markets

- Market development of biofuels (intertask)
- Global bioeconomy context

Lead: VITO

Collaboration with T43 BioHub project initiated

Content work starting Q1 2020

▶ WP2 Industrial

- Inter-task case studies (Task 32, 33, 34, 36)
- BECCS/U (inter-task)

▶ WP3 Deployment Strategies

- Deployment guidance regarding economic aspects & financing
- Renewable gas (strategic intertask)
- Role of bioenergy in a Well-below 2°C/SDG world (strategic intertask)
- Follow-up to success stories project (?)

Work-packages, task projects, inter-task projects & strategic inter-task projects

▶ WP1 Market development

- New regional bioenergy markets
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- Market perspectives and guidance on aviation and marine biofuels (intertask)
- Globalized sustainable biobased value chains in the bioeconomy context

▶ WP2 Industrial

Lead: tbd

- Inter-task projects: Market perspectives, synergies between bioenergy and biobased materials
- BECO: Policy context work -> „circular biobased economy“

▶ WP3 Deployment Strategies

- Deployment guidance regarding economic aspects & financing
- Renewable gas (strategic intertask)
- Role of bioenergy in a Well-below 2°C/SDG world (strategic intertask)
- Follow-up to success stories project (?)

Work-packages, task projects, inter-task projects & strategic inter-task projects

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▶ WP2 Industrial Heat & Processes

- Inter-task case studies (Task 32, 33, 34, 36)

- Lead: SEI

▶ WP3 Additional torrefaction case study lead by Austria?

- Exchange with Joanneum ...
- Renewable gas (strategic intertask)
- Role of bioenergy in a Well-below 2°C/SDG world (strategic intertask)
- Follow-up to success stories project (?)

Work-packages, task projects, inter-task projects & strategic inter-task projects

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- Inter-task case studies (Task 32, 33, 34, 36)
- BECCS/IL (inter-task)

▶ WP3 Deployment

- Deployment guidance regarding economic aspects & financing
- Renewable gas (strategic intertask)
- Role of bioenergy in a Well-below 2°C/SDG world (strategic intertask)
- Follow-up to success stories project (?)

Lead: UFZ

Project consortium & budget extended; start in Q1-2020

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▶ WP2 Industrial Heat & Processes

- Inter-task case studies (Task 32, 33, 34, 36)
- BE

Lead: DBFZ

Work ongoing

▶ WP3 D

! Editorial board of Special Issue in Energy Sustainability and Society on bioenergy scenarios, SDGs, financing in different world regions

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- Renewable gas (strategic intertask)
- Role of bioenergy in a Well-below 2°C/SDG world (strategic intertask)
- Follow-up to success stories project (?)

Meetings & Conferences, Workshops/Webinars

Date	Venue	AT-Participation
31.01.2019	GoToMeeting	1
27.02.2019	Stockholm	0
09.05.2019	GoToMeeting	1
06.20.2019	GoToMeeting	1
10.09.2019	GoToMeeting	1
13.11.2019	Webinar Future of Pellets Markets	1
27.11.2019	Berlin/Leipzig (WB2/SDG-workshop)	1
14.02.2020	GoToMeeting	1
25.05.2020	Copenhagen	planned
07.09.2020	Idaho Falls	planned
Spring 2021	Japan	
Autumn 2021	Utrecht / Belgium / Vienna?	

Informal meetings: EUBCE Marseille Meeting 27.04.2020, Neg CO2 Conference Gothenburg 11.05.2020, 3rd GBS Berlin, 19.11.2020

Vielen Dank für Ihre Aufmerksamkeit!

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