

TWG Bioenergy and BioMaterials within BioEast Initiative

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**Bio-hubs as keys to successful biomass supply integration for
bioenergy within the bioeconomy**

Joint IEA Bioenergy Task 43 & BioEast Initiative Workshop

Sopron (HU), 10 October 2019

TWG Bioenergy and BioMaterials within BioEast Initiative

- HR has expressed its ambition to lead the TWG in February 2019
 - Ministry of Agriculture (member) + Energy Institute Hrvoje Požar (expertise)
- By 10/2019:
 - 7/11 countries expressed their interest: BG, CZ, EE, HR, HU, LT, LV
 - 9/11 countries send their delegates to the kick-off: CZ, EE, HR, HU, RO, SI, SK, LT, LV
- Kick-off 10/10/2019 from 16h

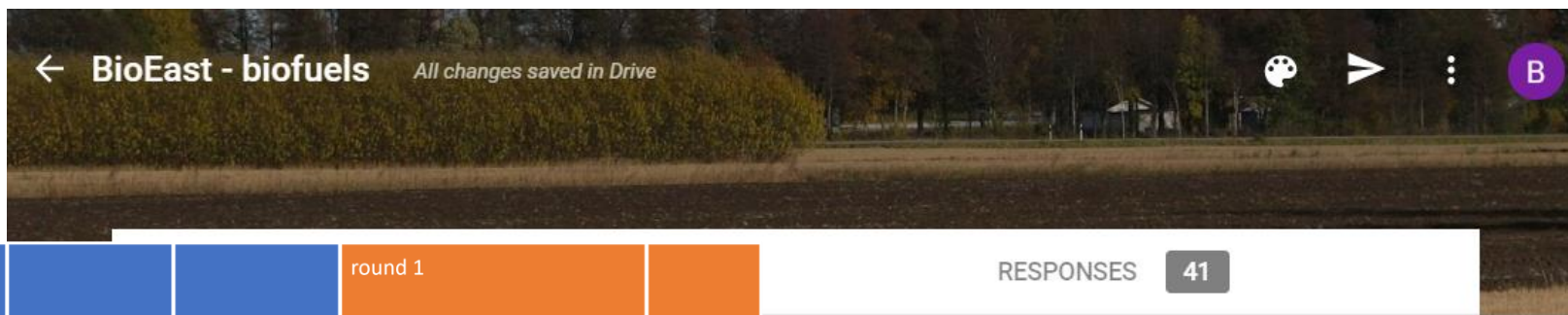


ToR draft - highlights

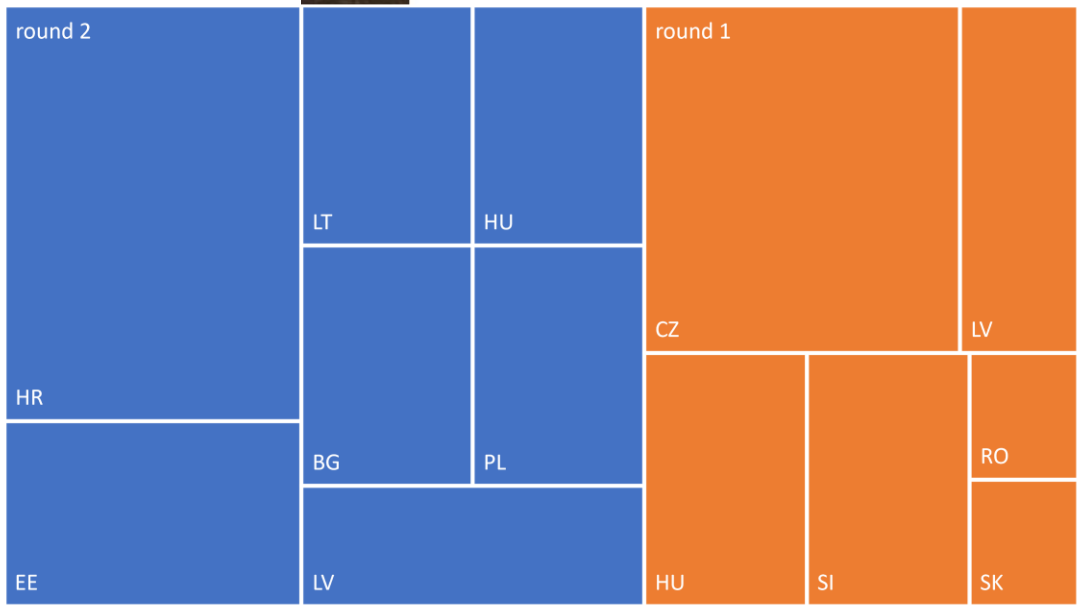
- Develop bioenergy business models that serve decarbonisation and increase competitiveness of BioEast bioeconomy stakeholders
- Embed existing bioenergy players into bioeconomy by:
 - producing new value added materials from bioenergy by-products (waste energy, ash, digestate, CO₂, sulphur)
 - create industrial symbiosis (e.g. freshwater pike farming & digestate)
 - Identify research topics that are distinctive for BioEast macro-region
 - Coordinate with Ministries and BioEast Initiative
 - Apply for research funds on specific topics to *deliver knowledge-based, evidence-based concerted policy on bioenergy within bioeconomy*

Example: collaboration

Proposal for development survey and scientific paper for IEA Task 43.



ing, how should we
duction system and



RESPONSES 41

for Energy Markets

"Stocks for Energy Markets" concerning the development of
 only for research purposes. No sensitive items are included and
 only to be accessed by the researchers in charge of the project and
 (EU) 2016/679. By filling this questionnaire you agree your
 the scope of this project and derived publications. Any publication
 led data so as no one else can link them to you personally.

value for the project and will certainly contribute to a better understanding of the role of biomass production systems in the energy transition.

The questionnaire will take approx 5 min.

For questions, please contact:

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 blas.mola@uef.fi

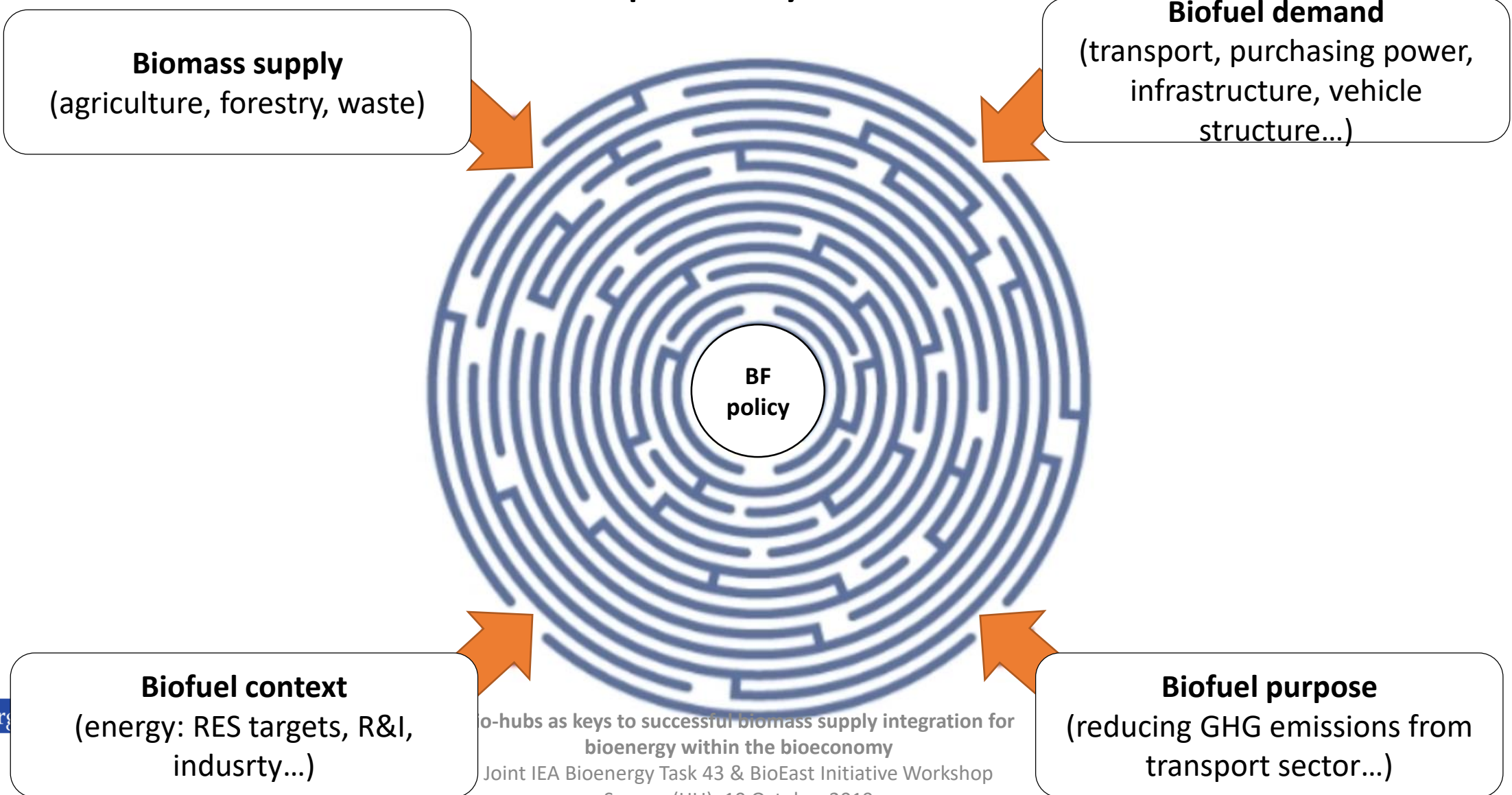
Biljana Kulišić (Energy Institute Hrvoje Požar)
 bkulisc@eihp.hr

renewable energy target for the
 er after a 2023 review. One of the
 t it "improves and clarifies
 biofuels shall not be made from
 such as primary forests and other
 Biomass supply is mostly
 network has numerous constrains
 e found at:

[18-INIT/en/pdf](#)

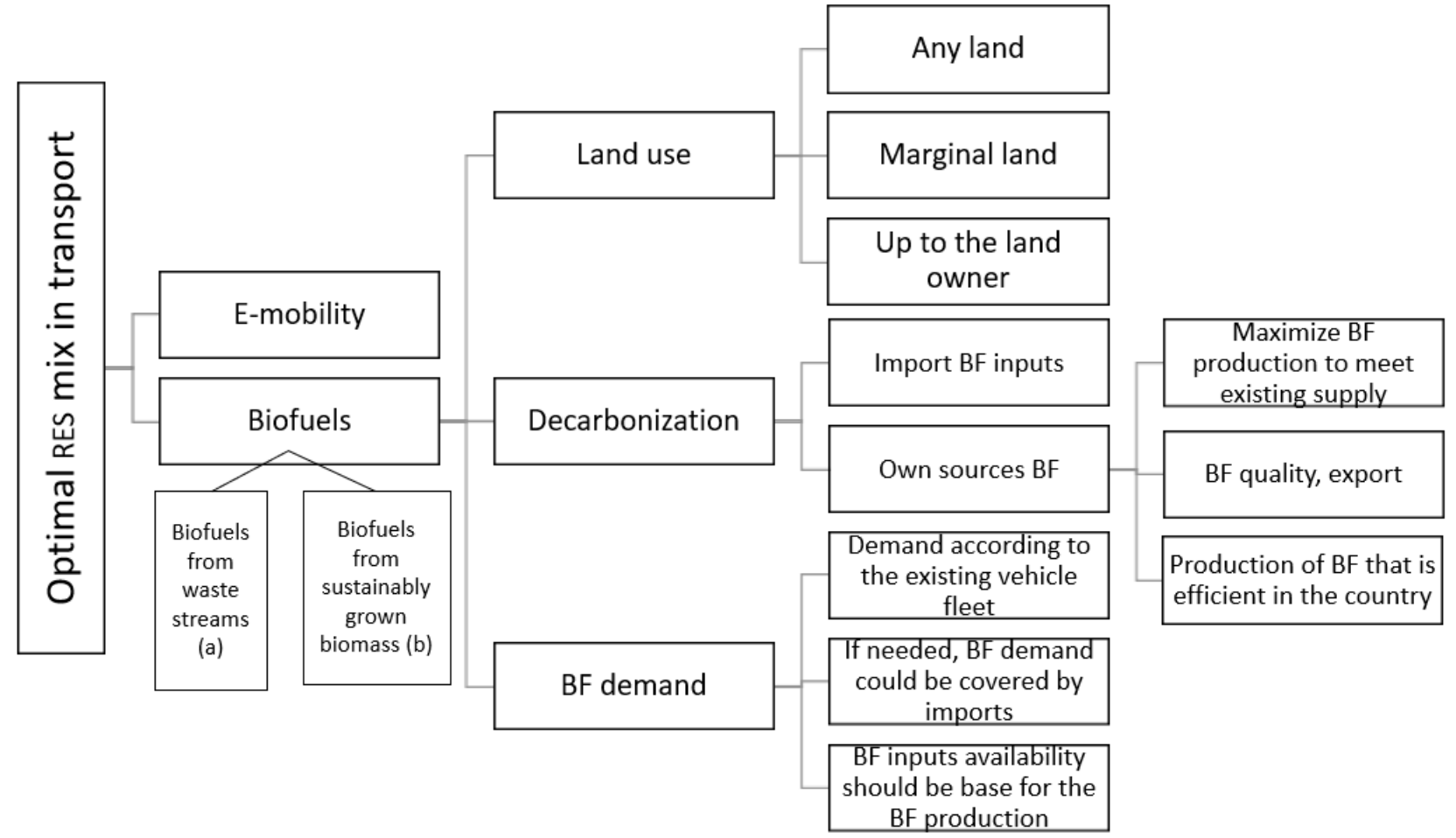
- Standpoint:
 - “Passive” agriculture policy on increased biomass demand for bioeconomy is not feasible.
 - Bioeconomy is happening: “Passive” policy will lead to increased biomass demand with random effects on agriculture.
 - Active position will lead to increased biomass demand with desirable effects if concerted policy applied.
 - From “Silo based” to “Concerted policy”
- Exercise applied on the bulkiest bioeconomy demand: biomass for biofuels
- Qs: **Is there a consensus on biofuels policy at BioEast macro-region?** Do we import or export biomass for biofuels? Is there interest on biofuels? Do we engage only marginal land or some other land resources? ...
- Assumption: **a single ministry does not possess complete information on the topic of biofuels**

Concerted biofuels policy

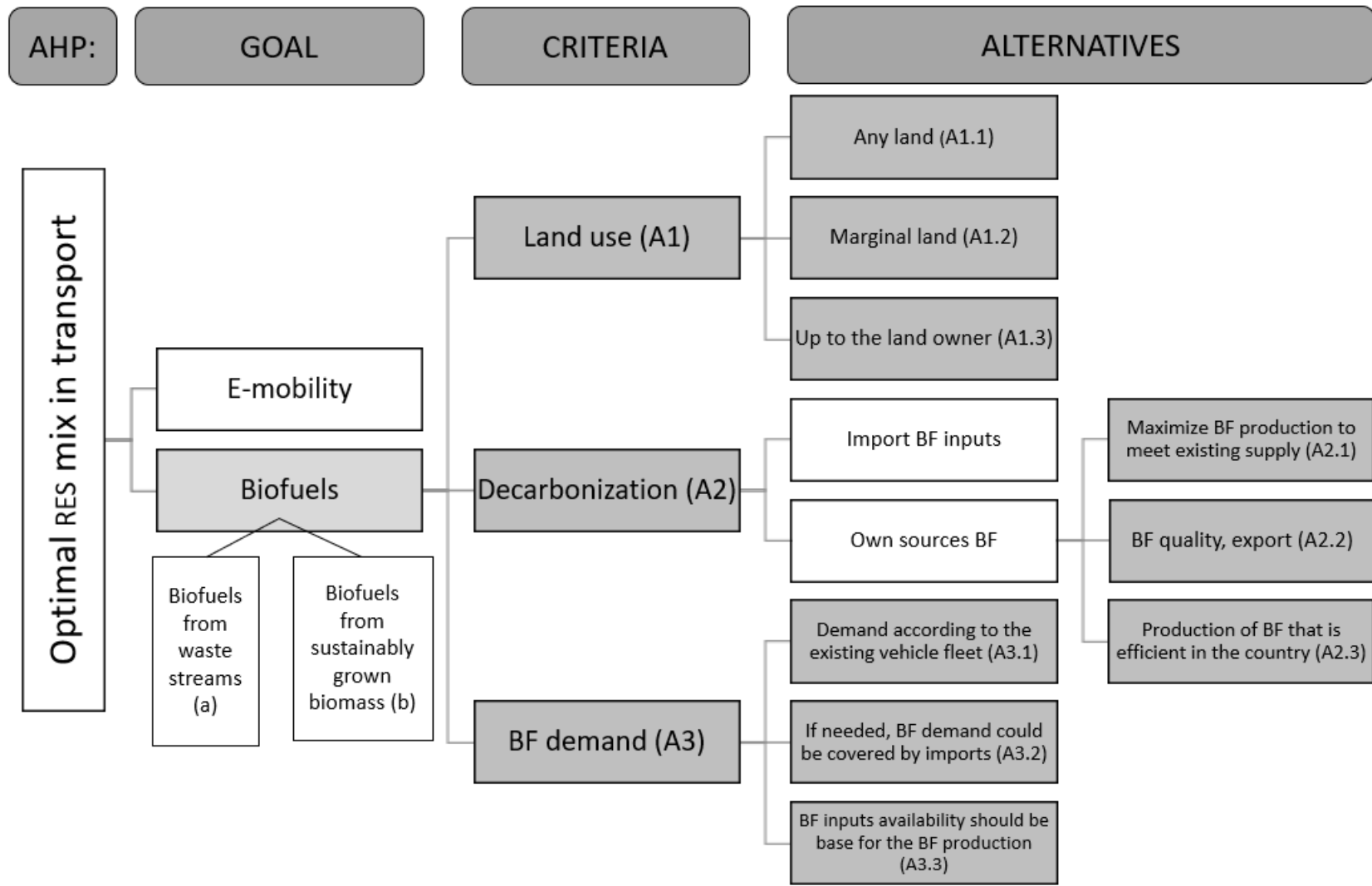


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Choice architecture to assist policy maker for BF policy



Choice architecture preferences evaluated and ranked with fuzzy analytical hierarchical process





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Special Issue Editors

Guest Editor

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Interests: Economic evaluation of biomass for energy use, economics of solar energy, complex energy systems, energy plants and plantations, feasibility of renewable energy plants, investment analysis

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Interests: Economic evaluation of renewable energies, energy plants and plantations, social and marketing aspects of renewable energy, statistical and econometric analysis of renewable energy sources

Survey on Biomass supply chains

Bioeconomy development depends on biomass supply.
What are your preferences regarding biomass supply chains?

Dear participant,

In the context of bioeconomy, biomass is a new “oil” or “base material” that has been conventionally used for production of food and feed, wood products, cosmetics, pharmacy and bioenergy but now expands to novel bio-based economy: an integrated bundle of all variety of new alliances, new value chains and novel products, connecting sectors that weren’t traditionally driven by market forces.

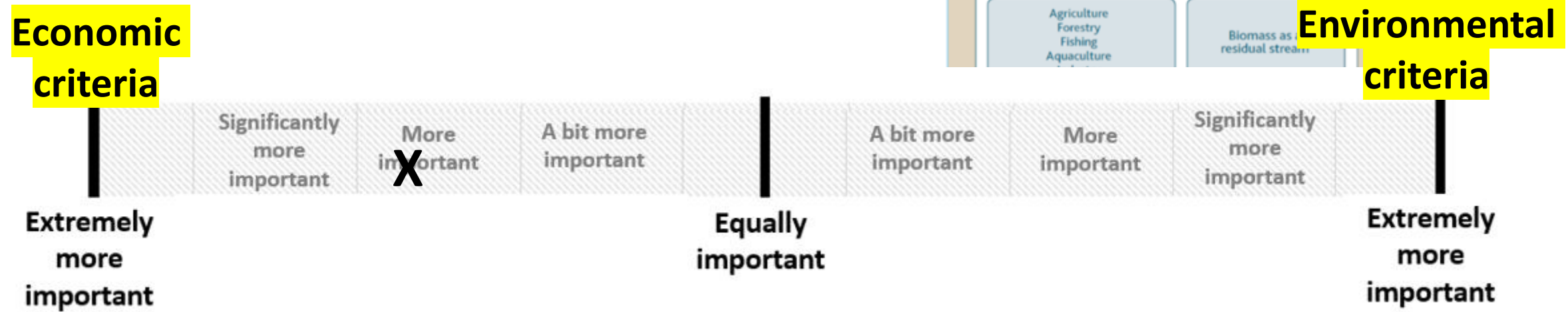


Figure 1 Vlamse Overheid (2013:9), based on Minaraad and SALV recommendation “Sustainable use of biomass in a bioeconomy” (2012)

Synergy with H2020: BIOEASTsUP (WP3, T3.2)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862699

Bioenergy Working Group Kick-off Meeting

| | |
|---------------|---|
| Date: | October 10th (Thursday), 2019 16:00 – 19:00 |
| Venue: | University of West Hungary https://www.uniwest.hu/ Faculty of Forestry <i>Meeting room: Ligneum</i> Address: 9400 Sopron, Bajcsy-Zsilinszky u. 4. Mail: H-9401 Sopron Pf. 132 phone:(36 99) 518-100 fax: (36 99)312-240 |

Agenda

| Time | Topic | Speaker |
|---------------|--|---|
| 16:00 – 16:15 | Registration | |
| 16:15 – 16:45 | Welcome and round the table | Barna Kovacs |
| 16:45 – 17:00 | Highlights: <ul style="list-style-type: none"> - Introduction to TWG Bioenergy ToR draft - Special issue Sustainability - Horizon Europe consultation process - Bio-hubs as keys to successful biomass supply integration for bioenergy within the bioeconomy - Joint IEA Bioenergy Task 43 & BioEast Initiative Workshop | Biljana Kulišić Barna Kovacs Attila Bai |
| 17:00 – 17:15 | Coffee break | |

More after 16h...

Ivan Matic

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