



Practical benefits for the Members of Knowledge Exchange Stakeholder's Platforms in China and Europe and Added Value of Collaboration

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The project leading to this application has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 688338.

Purpose of the NoAW Knowledge Exchange Stakeholder Platform - KESP (1)



To provide a forum for knowledge, information exchange and discussion between project partners and stakeholders of agro-waste and its valorisation in China/Asia and the EU

- **to consult** potential users, beneficiaries of the research and citizens affected by the impact of the implementation of the results from an early stage during the whole project;
- **to ensure** that their **needs, problems** and **priorities** are properly **considered** during the design and implementation of the research tasks - the project activities and outcomes are focused on priority areas ;
- to get their **advice to NoAW** partners **to improve the practical applicability of the results** - ensure that the proposed technologies and products will meet their expectations, consider their **resources, capabilities** and **constraints** for using the results



Purpose of the NoAW Knowledge Exchange Stakeholder Platform – KESP(2)



- To **foster understanding** of **what is new in agro-waste valorisation** from technical, environmental and business concepts / cross-chain valorisation aspects, including **development opportunities** and **potential applications** of innovative bioprocesses and bio-products.
- To facilitate mutual understanding of the **similarities** and **differences** in the needs, **constraints, applicability of methods** caused by the **specific geographical/local, business ecosystem, environmental, cultural conditions** in **China** and in the **EU**
 - to **collect and share experiences** and **identify best practices**
 - to **improve the relevance, increase the impact;**
 - **to disseminate** the results.





NoAW Stakeholders

- farmers/farmers associations, wine makers,
- converters, biogas facilities, technology providers, biomolecule producers, biorefineries, composite/ packaging material manufacturers,
- policy makers, authorities,
- related platforms (composting, anaerobe digesting), waste managers,
- R&D knowledge and knowledge transfer service providers, scientific community,
- civil society representatives

in China/Asia and the EU.



Selection of KESP member - value chain analysis



Checking

- Are all value chains properly represented?
- All steps of each value chain are represented by key stakeholders?
- What is the specific interest and potential motivation of the different stakeholders?



NoAW KESP members (current status)

- 12 different countries
- 33 members
- 28 European KESP members / 5 Asian mirror platform members
 - Mainly R& D, governmental organisations, technology & service providers
 - Some agricultural stakeholders, packaging, and biomaterial producers



Manure Value chain - Potential core group members vs – Profiles of stakeholders

Members of the MANURE value chain	Contacting main profile of NoAW project partners	NoAW KESP members R&D /SERVICES PROVIDERS	NoAW KESP PRODUCERS
Animal breeders, Agriculture Farmers (crop growers)	<i>SCHIESSL, Agriport</i>	Qualiméditerranée (FR), DRAXIS (GR),	Terra Humana (HU)
Composting platform	<i>SCHIESSL</i>		
Anaerob digesting platform	<i>Innoven, IBBK, Uniroma, B2B, ITRI, SEE, BV</i>	Cornelissen Consulting Services (NL), Ductor Oy (F)	
Biorefineries , (fertilizer , biomolecules) producers	<i>Uniroma, Unibo, IBET, IBBK, TRI, SEE,</i>	kaeXa (FR), CNR – ISTM (IT), Nomfima (N), CRES (GR),	Terra Humana (HU)
R&D, knowledge transfer	<i>SP, DTU, IAUS, UM, Sofies, DLO-FBR, Ecozept, CBHU</i>	TKI –AGRI (NL), PannonPro(HU), LEITAT (E), ARISTOTLE UNIVERSITY (GR), Bavarian Research Alliance (D), Aster (IT)	
IT solutions		DRAXIS (Gr)	
Social, governmental aspects	<i>GCIA</i>	Ministry of Taiwan, CRA Occtainne	
Logistics	<i>Agriport</i>		
Certification, testing		LNE (FR), Bureau Veritas (FR), Inbiseco (D)	



Straw Value chain - Potential core group members vs – Profiles of stakeholders



Members of the STRAW value chain	Contacting main profile of NoAW project partners	NoAW KESP members R&D /SERVICES PROVIDERS	NoAW KESP PRODUCERS
Growers / Agriculture	<i>SCHIESSL, Agriport</i>	Qualiméditerranée (FR), CRES (GR), DRAXIS (GR)	
Composting platform	<i>SCHIESSL,</i>		
Anaerob digesting platform	<i>Innoven, IBBK, B2B, NTUA, AAU,</i>	Cornelissen Consulting Services (NL)	
Biorefineries (biomolecules) producers	<i>Inra, Unibo, IBET, NTUA, BV, ITRI, SEE, TIA</i>	kaeXa (FR), CNR – ISTM (IT), CRES (GR),	FENC (TW)
Composite material, packaging manufacturers	<i>Inra, Fraunhofer. UM, ITRI, SEE, IAPPST)</i>	CIIRC (IN), LEITAT (E), HAPPY SRL (IT)?,	FurstPlast (FR), FENC (TW), EasyPack (TW), WinTime (TW)
Biomass power plant			
R&D, knowledge transfer	<i>SP, DTU, IAUS, UM, Sofjes, DLO-FBR, Ecozept, CBHU</i>	TKI –AGRI (NL), PannonPro (HU), ARISTOTLE UNIV (GR), Bavarian Research Alliance (D), Aster (IT), LEAF / ISA (P), KAFSIS (GR),	
IT solutions		DRAXIS (GR)	
Social, governmental aspects	<i>GCIA</i>	Ministry of Taiwan, CRA Occtainne	
Logistic	<i>Agriport</i>		
Certification, testing		Inibesco (D)	

Winery waste Value chain - Potential core group members vs – Profiles of stakeholders



Members of the WINERY WASTE value chain	Contacting main profile of NoAW project partners	NoAW KESP members R&D /SERVICES PROVIDERS	NoAW KESP PRODUCERS
Grape growers, Agriculture	VA, IVF	Qualiméditerranée (FR)	BLB Vignobles (FR)
Winery makers, cork stopper maker	VA, IVF		BLB Vignobles (FR), Diam Bouchage (FR)
Distillery	Innosud, IVF,		
Composting platform	Innosud, IVF		
Anaerob digesting platform	Innosud, Innoven, IBBK, Uniroma, B2B, IVF		
Individual companies producing grape extracts	Innosud, Inra, Uniroma, Unibo	ACTIchem	
Individual companies using grape extracts			
R&D, knowledge transfer	IFV, Inra, SP, IAUS, IVF, UM, Sofies, DLO-FBR, Ecozept	TKI –AGRI (NL), LEITAT (E), ARISTOTLE UNIVERSITY(GR), Aster (IT)	
Social, governmental aspects	GCIA	CRA Occtainne	
Logistic			
Certification, testing		LNE (FR), Bureau Veritas (FR)	

Benefits for the KESP Members



- **Early access** to project results,
- **Access to state of the art knowledge, practical experiences, examples** of innovative solutions of agricultural waste valorisation
- **Meeting with other stakeholders - networking** and make connections with people in your own field of work
- Opportunity for **fine-tuning and having influence** on developments and implementation of NoAW project
- **Priority access to knowledge transfer** services
- **Better understanding** what has to be **adjusted/ adapted** at valorisation of agro-waste to the **local geographic, business, cultural, legal environment in China/Asia and in the EU** .

Get free access to top research and networks in the fields of innovative sustainable solutions , waste reduction, process innovation and circular economy



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Access to



- **Project results**
 - **inventories and chain approach for valorisation** of different agro - wastes, with special focus on wine biomass, straw and manure,
 - **new approaches for anaerobic digestion for low cost biopolymer production,**
 - **eco-sustainable protocols for the specific extraction and characterisation of bioactive molecules from winery wastes** and their **valorization** in new materials,
 - **updates on early design aspects of sustainability evaluation** of new processes and products,
 - **experiences on the spatial dimensions of eco-innovations,** existing initiatives of co-product valorisations world-wide, business-models.
- **Experience on practical testing** of methods carried in the project



Expectations of NoAW for input from KESP members



- **To provide their expert view and feedback** on:
 - their needs and interest for additional knowledge and information on specific problems which have to be solved, necessary skills where they would welcome support, experiences on valorisation of various types of agro-waste,
 - the NoAW concepts, methods, procedures, results, applicability, clarity and user-friendliness;
- **Testing** NoAW's solutions, methods:
- **Consulting** project partners
- **Strengthening** the **NoAW network**
- **Exploring** new, **innovative application opportunities** with NoAW partners .



Knowledge, information available for KESP members



- Homepage- **specific reserved area** - Restricted access area for members of consortium (43 registered) and for the KESP members (23 registered)
 - providing information / summary about the **results of the project**
 - NoAW **results** and **methods** – Detailed description of method developed for **system approach for loss and waste analysis** – method offered for trial
 - NoAW **fact sheets** –key learnings from existing international initiatives (13 available , 20 others are coming)
 - NoAW **research summary sheets** (6, public)
 - **state of art information**, - KESP forum - **70 articles/fact sheets /other materials**
- Both are on-goingly extended with the progress of the project



Further activities offered for NoAW stakeholders

- Joint development of an action plan for KESP activities
- **Combining web-based consultations and meetings in persons**
- **Web based information, consultations**
 - webinars (recorded –available online),
 - **hot topics / “Short presentations ”** on key topics (waste management issues) by KESP members, project partners and relevant other cooperating projects,
 - presentations of young researchers
- further methods **offered for testing, trial and use,**
- **joint development of guidance materials on typical problems, on** applicable solutions, technologies, good practices, typical failures/traps to be avoided – using collaborative work spaces/file editors such as Google docs – opportunity to contribute, comment to the development of **Best-practice guidelines for farms and business on agro-waste management** – Considering specific Chinese and EU aspects
- **web-based trainings**

Networking activities



- Joint NoAW **stakeholder events** with the AgroCycle project which contributes to the dialogue between the partners and KESP members of the 2 projects
 - **foster China/Asia -EU dialogue**
- providing a **matchmaking forum** members and project partners for future cooperation
- **meetings in person** on the stakeholder events, workshops
- one to one meetings



Thank you for your attention!

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