

“Building Europe’s Best – with Europe: Building business and research opportunities under EU’s A Horizon”

MSCA Staff Exchanges Project Coordinator Perspective (Success Story involving Non-academic sector)

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How the story begins?



- ❖ Find hot topics
- ❖ Even bring those hot topics together create story and need
- ❖ Aling with EU vision
- ❖ Sustainability and High -Tech

Smart Textiles made from Agriculture and Natural Waste Materials

How the story begins?

Country/Partner	Acronym	Expertise	Type
Turkey			
1. Istanbul Technical University	ITU	AM, ST	Uni
2. Marmara University	MU	SM, ST	Uni
3. Akilli Tekstil	AT	ST	SME
United Kingdom			
4. University of Manchester	UoM	AM, ST	Uni
5. Crowdhelix	CH	Networking	SME
Netherlands			
6. Delft University of Technology	DEFT	AM, ST	Uni
7. By-wire.net	By-wire	FT	Industry
Italy			
8. Grado Zero Espace	GZ	SM, Prototyping	Industry
Germany			
9. Coneno	Coneno	Software, DS	Industry
Poland			
10. TECH2MARKET	TECH2MARKET	Market	Industry

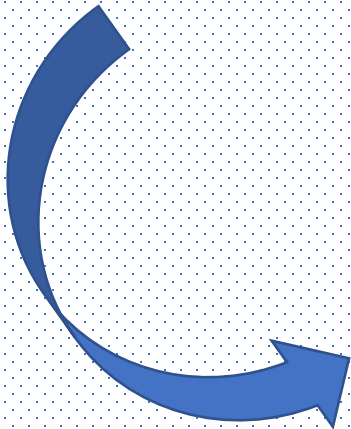
Learn from failure → Modify → **WIN!**



Success with two projects!

How to build the consortium?

- ❖ Existing network
- ❖ Find new people through their website and published works
- ❖ **Send e-mails**



Von: atalayoz@itu.edu.tr <atalayoz@itu.edu.tr>
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Cc: Doç.Dr.Alper GÜRARSLAN <gurarslan@itu.edu.tr>
Betreff: MSCA-SE Projects

Dea Prof Yordan,

We, Assoc. Prof. Dr. Atalay. (<https://scholar.google.com.tr/citations?user=2FT4J3kAAAAJ&hl=tr>), and Assoc. Prof. Dr. Gurarslan (<https://scholar.google.com/citations?user=e8BK5UMAAAAJ&hl=en>) at Istanbul Technical University, with a vast expertise on wearable electronics and we currently won 2 grants under the horizon Europe MSCA SE 2021 call and we are in the phase of grant agreement preparation. However, One of our partners has difficulty in signing grant agreement and we are now looking for potential partner for consortium in case this partner is not able to sign.

After examining your profile, <https://scholar.google.com/citations?user=RB5j1QMAAAAJ&hl=en> we are confident that you can be a key partner in our MSCA SE projects regarding the development of electronic textiles made of sustainable materials and their implementations in various fields.

We are confident that the success of this project because;

- Focus of the project is wearable electronics that is a rapidly growing market, (market will be worth over 7,5 billion Euros with in next 3 years)
- EU is paying upmost attention on consumption of sustainable materials rather than hazardous plastic counterparts.
- Multidisciplinary project that combines health, electronics, social behaviors, textiles manufacturing, materials science, fashion industry and sustainable materials.
- We have strong consortium composed of industrial and partners from all over Europe and 3rd country.

We have an extensive experience on EU projects such as Marie Curie IF projects, MSCA RISE as well as ERC grant and other international projects we believe with your experience in this area, will be able to deliver an outstanding project in the area of sustainable electronic textiles.

We would like to discuss the details in urgent manner if that suits you.

Best Regards,

How to write proposal?

- ❖ **Presentation is very important!**
- ❖ Good figures, tables
- ❖ Put your creativity
- ❖ Impress evaluators
- ❖ Aling with eu needs



Expected impact: As a result of this action, Europe will be in a stronger position to lead the smart textiles industry made of sustainable textile materials that are described in the **EC Circular Economy** Package³ and European standard CEN/TS 16822:2015 criteria for textiles⁴. Sustainable materials that will be developed in this project align with the circular economy concept that sustainable solutions are offered by reusing materials to manufacture value added new products. The SMARTWASTE consortium (See Table B1.) will promote international and intersectoral knowledge transfer and long-lasting relations to facilitate the development of SMARTWASTE and contribute to **growth of the European economy** by developing high-tech applications (See WP3), using sustainable materials, reducing the environmental impact of materials and increasing resource efficiency. The consortium partners will combine their unique expertise to contribute towards the development of specific SMARTWASTE sustainable solutions, **which would not be possible to develop without the multidisciplinary collaboration proposed here**. Collaborations among the consortium members will support research and **information exchange** between industrial, academic,

Table B8. Main Networking Activities throughout the project

Kick-off meeting, M1: The project coordinator (ITU) will arrange a kick-off meeting with all partners to create first communications with all partners at the beginning of the project. The Steering Committee shall be established; the Consortium Agreement and the Agreement on Intellectual Property Rights shall be signed. The secondment strategy for implementation will be addressed, revised, and adapted. Deliverables: CA, IPR, and the secondments plan.
SMARTWASTE Workshop 1, M8: Consortium-wide event for two days will be held in Italy . GZE will host the event. The transferable credentials will be delivered through practical case-study workshops and cover: research ethics , intellectual property and marketing (with case studies) and entrepreneurship . Transferable skills: Scientific ethics, intellectual property and marketing. Dissemination Outcome: Networking event.
Steering committee meetings (online: every three months, physical meetings: M12, M24, M36): The Steering Committee meeting will provide

How to write proposal?

- ❖ Multidisciplinary
- ❖ Complementary expertise
- ❖ Every partner needs to learn from each other
- ❖ Be careful about gender balance
- ❖ Be careful about IP rights
- ❖ Secondments should be explained well.

SMARTWASTE consortium is an **interdisciplinary network** of international, industrial and research partners, and relevant industry & market actors, with recognized expertise, experience, skills, resources, infrastructure and position in the fields of: *Manufacturing technologies of sustainable fibres and textiles, Synthesis of conductive materials, Coating Technologies to produce conductive textiles, Manufacturing technologies of e-textile components, Prototyping technologies incorporated with fashion design, Business Development, and EU positioning.* As listed in Table B8, partners will share their knowledge in network wide

Staff From	Core research skills to be acquired during the secondments and project duration
MU, ITU	@Grado Zero, during WP1, WP2, WP3, WP4: ECR will gain hands on training unconventional natural fibers, smart garment prototyping, sustainability and life cycle assessment. Academic partners will benefit from prototyping skills of Grado Zero. They will be trained on 3D printers and how to use them on quick prototyping.
UoM	@AT, during WP2b: Seconded academic ECRs will learn synthesis of AgNWs, their characterization, and coating AgNWs on textile surfaces. They will gain sufficient knowledge to synthesize AgNWs in their own institutions.
QZS, DeWitt	@ITU during WP1, WP2, WP3, WP4, and WP5: Seconded ECRs will receive hands on training on prototyping

Evaluation Summary Report

Criterion 1 - Excellence

Score: **4.40** (Threshold: 0/5.00 , Weight: 50.00%)

The following aspects will be taken into account, to the extent that the proposed work corresponds to the description in the work programme:

- **Quality and pertinence of the project's research and innovation objectives (and the extent to which they are ambitious, and go beyond the state of the art).**
- **Soundness of the proposed methodology (including interdisciplinary approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality and appropriateness of open science practices).**
- **Quality of the proposed interaction between the participating organisations in light of the research and innovation objectives.**

The proposed secondments between participants in EU/AC in the same sector are considered to be interdisciplinary and are accepted, up to the maximum of 1/3 of the total months funded by EU.

Strengths:

- *The research objectives are very detailed and the way they will be measured and verified is clear;*
- *The presented methodology is suitable for achieving the set research objectives; it addresses the identified challenges in the field of electronic textiles from textile waste very well;*
- *The interdisciplinary knowledge needed to achieve the objectives brings together knowledge from different fields, including textile technologies, polymers, materials engineering, electronics, chemistry, and agriculture;*
- *The proposal sufficiently addresses the gender dimension and other diversity aspects in relation to the research and innovation content;*
- *The proposal provides a very good rationale for the contribution of each participating organisation to the planned activities;*
- *The main networking activities contributing to the research actions are very well planned and relevant.*

Weaknesses:

Evaluation Summary Report

Weaknesses:

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- *The proposal does not sufficiently address the innovative aspects of the research. Specifically, information about the modernity of the project is not convincingly described;*
- *The proposal presents open science and data management practices in very general terms.*

Criterion 2 - Impact

Score: **4.50** (Threshold: 0/5.00 , Weight: 30.00%)

The following aspects will be taken into account, to the extent that the proposed work corresponds to the description in the work programme:

- Developing new and lasting research collaborations, achieving transfer of knowledge between participating organisations and contribution to improving research and innovation potential at the European and global level.
- Credibility of the measures to enhance the career perspectives of staff members and contribution to their skills development.
- Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.
- The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts.

Strengths:

- The activities envisioned in the proposal will greatly facilitate the development and sustainability of new and lasting research collaborations;
- Knowledge transfer among participating organisations is emphasised and detailed through compelling packages of activities;
- The proposal clearly and convincingly addresses contributions to the EU economy and society in the context of a highly innovative and challenging research programme;
- The consortium wisely leverages Turkey's recognised role in the EU textile industry, including its ability to meet high standards, offer a wide range of products, and develop future collaboration by meeting stringent EU needs for materials for design and production, use and reuse, collection and recycling;
- The proposal clearly explains how participation in this proposed project will enhance the skills and career prospects of the various researchers;
- Dissemination and communication strategies, planned activities, stakeholders and indicators are very well elaborated;
- The expected impact of the dissemination and communication activities is convincingly and very well evaluated;
- The exploitation plan is elaborated in detail and includes concrete aspects to be considered as results of the proposal;
- IPR is carefully planned within the consortium partners;
- The scientific impact of the research results is well reflected in the proposed process for the development of regenerated materials for wearable textiles.

Weaknesses:

- Societal impacts on environmental aspects are insufficiently described and unrelated to the first part of the stated objectives;
- The economic/technological impacts are not sufficiently detailed.

Criterion 3 - Quality and efficiency of the implementation

Score: **4.60** (Threshold: 0/5.00 , Weight: 20.00%)

The following aspects will be taken into account, to the extent that the proposed work corresponds to the description in the work programme:

- **Quality and effectiveness of the work plan, assessment of risks and appropriateness of the effort assigned to work packages.**
- **Quality, capacity and role of each participant, including hosting arrangements and extent to which the consortium as a whole brings together the necessary expertise.**

Strengths:

- *The scientific programme is very well described with a clear list of tasks and deliverables;*
- *The allocation of tasks and resources is very well designed and appropriate for this type of project;*
- *The proposal has a very clear risk management plan, which includes credible risks and appropriate mitigation measures;*
- *The role of the different bodies identified in relation to the governance structure is very well described;*
- *The complementary expertise between partners is very well detailed and explained.*

Weaknesses:

- *Infrastructure of some participating organisations is insufficiently detailed regarding the research activities.*