

Graphene Week Matchmaking Profiles: Built environment and constructions (Cluster 6, New European Bauhaus)

Prepare for our EU Funding Opportunities Matchmaking Session by exploring the statements of interest below. In this document, you will find the submitted statements of interest for the matchmaking session.

Participants without a detailed statement

The following participants submitted a blank or N/A statement. Their details are listed below.

Participant	Affiliation	Country	Participation interest
Marlene Faria	FI Group by EPSA Portugal	Portugal	I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners
Bruna Fonseca	FI Group by EPSA Portugal	Portugal	I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners
Kerli Liivand	Jälle Technologies	Estonia	I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities
Sofia Oliveira	FI Group by EPSA Portugal	Portugal	I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners
Virginia Ranaweera	University of Jyväskylä	Finland	I am curious about relevant EU funding opportunities
Maite Riano Junquera	CSIC	Spain	I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners; I would like to promote my expertise to find collaborators
Manuel Santos	FCT	Portugal	I would like to join a project proposal as a partner

Detailed statements

1. Anna Aleksandrova, HU Berlin

Country of residence	Germany
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to coordinate a project proposal and am looking for partners

Statement of interest

Institut Kurz and research associates at Humboldt University of Berlin are developing NEG (Non-Ergodic Generator), a nanoscale element designed for chip-scale integration.

The NEG mechanism — magnetic-field-induced rectification of electron transport in curved ballistic graphene channels.

The device generates electrical power directly from the thermal motion of electrons, without fuel, sunlight, or a chemical battery.

The design target is chip-scale integration — arrays of many NEG elements packed onto a single chip.

2. Beatriz Alonso Rodríguez, Graphenea SA

Country of residence	Spain
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to join a project proposal as a partner

Statement of interest

Graphenea has extensive experience in producing high-quality graphene oxide (GO) and its derivatives. We can tailor our GO materials—adjusting parameters such as surface decoration, functionalization, oxygen content, flake size, and concentration—to meet the precise requirements of various applications and sectors. We welcome collaborations to customize materials, develop specific formulations, and assist with scale-up production.

3. Silvia Colella, PNO Digital

Country of residence	Italy
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to promote my expertise and find collaborators

Statement of interest

PNO Innovation Digital is looking to connect with companies, research organisations, technology developers and project coordinators working on European R&I opportunities. We support organisations in identifying funding opportunities, building collaborations and consortia, and turning R&D into impact and market opportunities. Our expertise includes innovation and project development, exploitation and market uptake, business and technology intelligence, stakeholder engagement, communication and dissemination. We are particularly interested in advanced materials, manufacturing, energy and climate technologies, circular economy, digitalisation and AI, both to support new initiatives and contribute as a partner to European R&I projects.

4. Daniil Karnaushenko, Research Center MAIN TU Chemnitz

Country of residence	Germany
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to join a project proposal as a partner

Statement of interest

I am interested in partnerships around flexible electronics, self-assembled microelectronics, small-scale autonomous systems, and advanced sensor platforms for environmental and bio-related applications. My project interests include compact, low-power sensing systems, integration of functional materials with microelectronic architectures, and scalable approaches for smart surfaces, biointerfaces, and distributed sensor networks. I am looking to connect with partners working on graphene-enabled sensors, flexible devices, printed/self-assembled electronics, and autonomous microsystems.

5. Jitender Kumar, TACC Limited

Country of residence	INDIA
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to join a project proposal as a partner • I would like to coordinate a project proposal and am looking for partners • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Role of Graphene derivatives in industrial application. TO explore possibilities of utilizing graphene based materials for specialized applications such as defense , quantum computing and robotics.

6. Simone Leva, Kerakoll SpA

Country of residence	Italy
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Graphene use in cement-based and polymer-based building products.

7. Roshen Mathura, GraphenePioneer BV

Country of residence	Netherlands
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to join a project proposal as a partner • I am curious about relevant EU funding opportunities

Statement of interest

The usage of Graphene materials in the building and construction sector. Looking for partners willing to collaborate in EU and SADC region.

Company: GraphenePioneer BV

CEO: Roshen Mathura

Email: roshen.mathura@graphenepioneer.com

8. Elvira Villaro, Avanzare Innovación Tecnológica

Country of residence	España
Topics / calls of interest	• Built environment and constructions (Cluser 6, New European Bauhaus)
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators

Statement of interest

AVANZARE is a company devoted to preparation and industrial commercialization of 2D materials as graphene. We are looking for opportunities to collaborate in proposals to develop and upscale new disruptive materials for industries as mobility, energy, building or packaging. Mainly intrested on CL4, CL5 topics.