



FIRE SAFETY & SUSTAINABILITY at a crossroads:

How do we find a joint way forward?

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About

The FRISSBE project will implement new practices at the Slovenian National Building and Civil Engineering Institute, ZAG, by attracting and maintaining high quality human resources under the direction of the ERA Chair holder. The project will lead to lasting, sustainable structural changes to achieve excellence at ZAG and spread excellence in the region. Designed structural changes aim to achieve excellence in the field of fire-safe sustainable built environments, modify ZAG's research and innovation landscape, intensify strong cooperation with industry and result in enhanced competitiveness in attaining projects.

Timeline for Thursday, 23 June 2022

09:30—10:00	Arrival and registration
10:00—10:15	Welcome: Grunde Jomaas (FRISSBE, ZAG) and Andraž Legat (Materials, ZAG)
10:15—10:45	Fire safety challenges in the modern, sustainable built environment: Jose Torero (University College London)
10:45—11:15	Morning tea and coffee break, group photo

HOW CAN WE FACILITATE AND ENSURE FIRE SAFETY IN SUSTAINABLE BUILDINGS?

11:15—11:30	Integration of fire safety into sustainability – a view from the mid-point: Friderik Knez (Building Physics, ZAG)
11:30—11:45	Fire Performance of Sustainable Construction Product – The Role of Research and Development: Christian Fundby Schou (DBI - The Danish Institute of Fire and Security Technology)
11:45—12:00	Fire as an extreme load – why does it matter from a sustainability point of view?: Chiara Bedon (University of Trieste)
12:00—12:30	Discussion panel – Chair: Jose Torero (University College London)
12:30—13:30	Self-served lunch on site

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WHERE DOES FIRE SAFETY BELONG IN THE EU GREEN DEAL AND UN GOALS AND IN SUSTAINABILITY IN GENERAL?

13:30—13:45	What is the 'currency' of fire in terms of sustainability calculations?: Ulises Rojas-Alva (FRISSBE, ZAG)
13:45—14:00	Resource efficiency, circular economy and materials in construction works – where does fire safety fit in?: Alenka Mauko Pranjic (Materials, ZAG)
14:00—14:15	LCA of the environmental impacts of buildings - can fire performance be included?: Sabina Jordan (Building Physics, ZAG)
14:15—14:30	MeZeroE - Measuring Envelope systems for Zero Energy buildings – The role of fire safety: Nataša Knez (Building Physics, ZAG)
14:30—15:00	Afternoon tea and coffee break
15:00—15:15	Digitalization of the construction sector – fire, building physics and sustainability in BIM: Katja Malovrh Rebec (Building Physics, ZAG)
15:15—15:30	REpowerEU – PV on all buildings, but fire safety is not addressed: Grunde Jomaas (FRISSBE, ZAG)
15:30—16:00	Discussion panel – Chair: Grunde Jomaas (FRISSBE, ZAG)
16:00—16:45	Guided visit to ZAG – FRISSBE laboratory facilities – Organizers: Andrea Lucherini (FRISSBE, ZAG), Ulises Rojas-Alva (FRISSBE, ZAG) and Friderik Knez (Building Physics, ZAG)
18:30—21:30	Networking dinner in Ljubljana

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Timeline for Friday, 24 June 2022

08:30—9:00 Arrival

CAN TIMBER BUILDINGS ENSURE A SUSTAINABLE BUILT ENVIRONMENT?

9:00—9:30	Timber buildings – fire safety (and other) challenges: Jose Torero (University College London)
9:30—9:45	Fire safety and sustainability – opportunities and limitations associated with timber: Andrea Lucherini (FRISSBE, ZAG)
9:45—10:00	Wood Modification Methods to Support Sustainability: Andreja Kutnar (InnoRenew CoE)
10:00—10:15	Bioinspired materials, innovative coatings, engineered living materials – a novel approach to achieve sustainability of materials: Anna Sandak (InnoRenew CoE)
10:15—10:30	Morning tea and coffee break
10:30—10:45	LCA of Wooden Buildings – how is fire accounted for?: Iztok Šušteršič (InnoRenew CoE)
10:45—11:00	How can detailed fire modelling of wood/timber (buildings) support cultural heritage and sustainability?: Robert Pečenko (University of Ljubljana)
11:00—11:15	Flame retardancy of wood products – is there a sustainable approach?: Andreja Pondelak (Structures, ZAG)
11:15—11:45	Discussion panel – Chair: Friderik Knez (Building Physics, ZAG)
11:45—12:15	Workshop concluding remarks and closing session – Chair: Grunde Lomaas (FRISSBE, ZAG)
12:15—	Fingerfood lunch and farewell (or further networking and discussions)