



New European Bauhaus Academy Pioneer Hub for Sustainable Built Environments with Renewable Materials NEBAP HUB

Prof. Andreja Kutnar, PhD

June 21, 2023



Why it matters – Climate Crisis

nature

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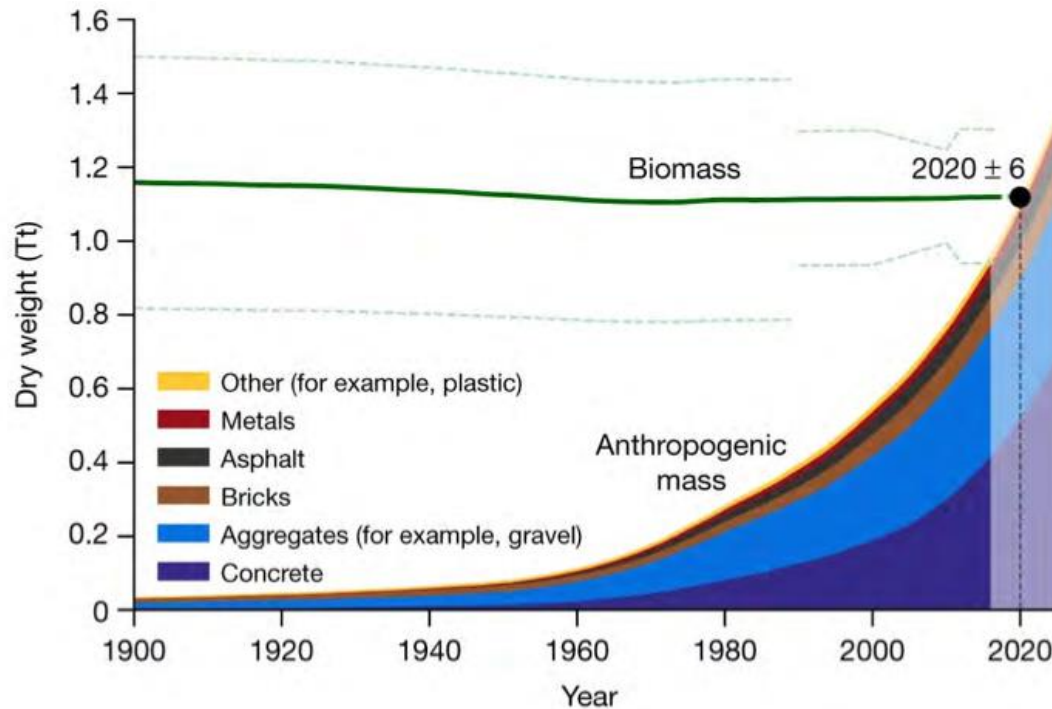
nature > articles > article

Article | Published: 09 December 2020

Global human-made mass exceeds all living biomass

Emily Elhacham, Liad Ben-Uri, Jonathan Grozovski, Yinon M. Bar-On & Ron Milo [✉](#)

Nature 588, 442–444 (2020) | [Cite this article](#)



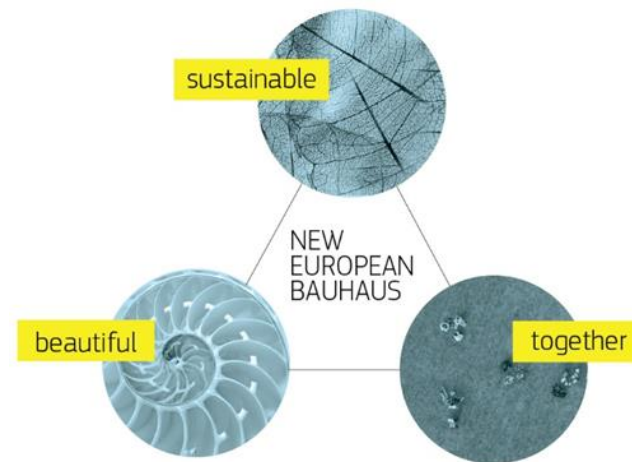
“In the year 2020 (± 6), the anthropogenic mass, which has recently doubled roughly every 20 years, will surpass all global living biomass.”

2021 - New European Bauhaus – initiative of European Commission

3 key factors: environmental sustainability, social inclusion and beauty/art/culture to **build bridges** between different areas of knowledge and different disciplines to connect the Green Deal to every day lives



New European Bauhaus
beautiful | sustainable | together



Workshop to co-design the New European Bauhaus Academy, March 6-7, 2023

International experts and EC co-designed the structure and operating concept for the overall NEB Academy, and defined the foundation, goals, and basic operations of the NEB Academy at the University of Primorska.



Workshop to co-design the New European Bauhaus Academy, March 6-7, 2023

19 international Experts from 11 countries (policy, industry, universities, associations, cities/regions, etc.)

1. Ruth Reichstein (European Commission's I.D.E.A. Advisory)
2. Vera Winthagen (Design Policy Analyst at the European Commission)
3. Solene GAUTRON (EC, JRC, NEB)
4. Jernej Širok, Ministry of higher education, science and innovation
5. Philipp Misselwitz (Bauhaus Earth, Germany)
6. Uwe Kiss (InnovaWood, Belgium)
7. Vlatka Rajcic (University of Zagreb, Croatia).
8. Sven Walter (FAO_Forest Products and Statistics, Italy)
9. [Jan Wurm](#) (KU Leuven; and EU engagement and venturing lead at ARUP)
10. Veronika Valk-Siska (Spatial Design Expert Group at Government Office of Estonia, Estonia)
11. Elin Olsson (County Architect, Region of Västerbotten, former State Secretary, Swedish Government)
12. [Anetta Kepczynska-Wakzak](#) (Lodz Uni. of Tech., Poland)
13. Frida Knutsson (RISE, Sweden)
14. Jessica Becker (Wood City Sweden/Trästad, Sweden).
15. Michela Magas (DigiNEB)
16. Visnja Koscak (Holzcluster; Austria)
17. Vanesa Bano (InnovaWood, Belgium)
18. Marko Lukič (Lumar Hiše d.o.o., Slovenia)
19. Stefan Leitner (HolzBau, Austria)



NEB Academy is flagship initiative of the European Year of Skills

1st Pionner Hub established at University
Primorska.

21. 06.
2023



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SCIENCE AND INNOVATION



Location of the NEBAP HUB

Head office: Titov trg 4, 6000 Koper.

The NEBAP Hub operates at the following location:
InnoRenew CoE (Livade 6a, Izola)

- Physical space
- Virtual engagement with the building

E-mail: nebap-hub@upr.si



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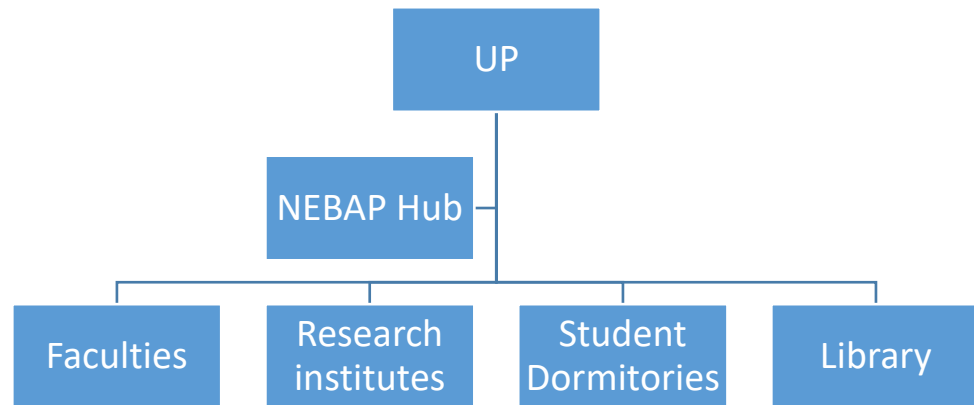


NEBAP HUB

The NEBAP Hub established as a University centre (independent unite) on June 14, 2023

NEBAP Hub bodies:

1. Head,
2. Management Board,
3. Council Board.



Ambition of the NEBAP HUB

Accelerating the transfer and adoption of climate change mitigation knowledge and capabilities to businesses, policy makers, and the public by creating a hub where critical expertise on **decarbonising the building stock using renewable materials** is gathered, enhanced, and efficiently transferred to society, including policy makers, industry, and other stakeholders.



NEBAP HUB

The NEBAP Hub at UP is focusing on the **sustainable built environments** that are regenerative and inclusive spaces that minimise environmental impacts through decarbonisation and lead to positive societal and economic impacts, including health and wellbeing:

- offering off- and online trainings for the construction ecosystem,
- promoting green, digital, and inclusive transition within the construction ecosystem through the use of bio-based materials,
- uniting pre-existing learning modules for the construction eco-system,
- closely collaborating with the NEB Community.

Development of training material



NEBAP HUB

Topics:

- design, materials, buildings, circular economy, cultural heritage, and digitalization of built environment.

For who:

- national and international ACE (Architecture, Construction, Engineering) professionals, citizens & cultural actors, policy makers, students and educators, investors, insurers, standardization bodies.

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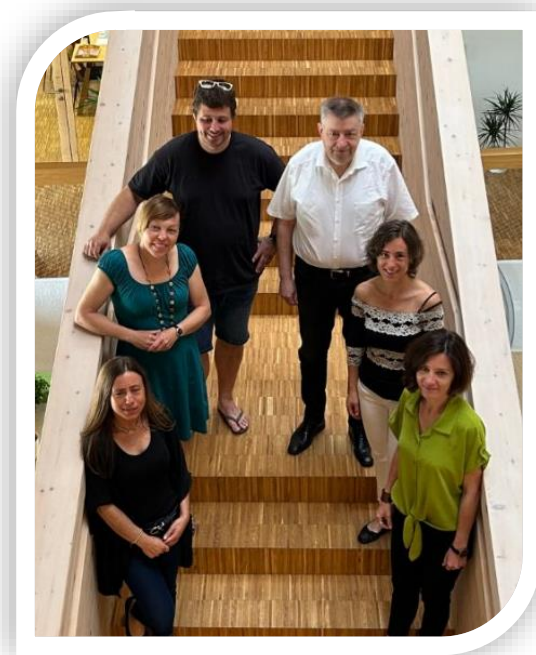
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Management Board of NEBAP HUB

Interdisciplinary group of experts

- Dr. Anna Sandak (UP Famnit),
- Dr. Neža Čebren Lipovec (UP FHŠ),
- Dr. Štefan Bojnec (UP FM),
- Dr. Rok Prislan (UP Famnit).



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Council Board of NEBAP HUB

International group of experts

- **NEBAP Hub Head**

Dr. Andreja Kutnar (University of Primorska, Slovenia),

- **2 representatives of the NEB Community:**

Dr. Philipp Misselwitz (Bauhaus Earth, Germany)

Dr. Uwe Kies (InnovaWood, Belgium)

- **2 representatives of the Nordic Bauhaus:**

Dr. Matti Kuitinen (Aalto University, Finland)

Frida Knutsson (RISE, Sweden)

- **3 representatives of the construction ecosystem:**

Stefan Leitner (HolzBau, Austria)

Dr. Jan Wurm (Arup, Belgium)

Dr. Anetta Kepczynska-Walczak (Lodz University of Technology, Poland)

- **1 representative of the UP:**

Dr. Jakub Sandak (University of Primorska, Slovenia).

Resources of NEBAP HUB

- Resources obtained to carry out research and development projects,
- Budgetary funds obtained to carry out tasks which are important on a national level,
- Earmarked funds obtained through local, regional, national and international calls,
- Donations and sponsorship funds,
- Commercial activities,
- Other earmarked funds.

First activities of the NEBAP HUB

Survey on knowledge gaps and needs of the construction ecosystem through out Europe in **17** languages

- Survey has been developed by NEBAP Hub of University of Primorska (Slovenia) in collaboration with InnoRenew CoE (Slovenia), Czech Technical University in Pague (Czech), Tallinn University of Technology (Estonia), InnovaWood (Belgium), Bauhaus Earth (Germany), University of Sopron (Hungary), University of Florence (Italy), Latvian State Institute of Wood Chemistry (Latvia), Slovak University of Technology in Bratislava (Slovakia), Polytechnic University of Valencia (Spain), Danish Technological Institute (Denmark), Xyhlo biofinish (Neatherlands) and RISE (Sweden).
- Published on June 19, 2023 (<https://1ka.arnes.si/NEBAP>)

Webpage [Until July 1, 2023](#)

Social media profiles [Until July 1, 2023](#)

Work plan (activities including employment of people) [Until August 1, 2023](#)



GDI UP – Green, Digital and Inclusive University of Primorska



Green, Digital & Inclusive University of Primorska (GDI UP) are three pilot projects focused on curricular renewal of professional higher education study programs at UP to support broader national reform for a green, resilient transition to Society 5.0.

Green Pilot Project consists of 4 activities:

- ❖ Activity 1.1: Pilot implementation of the Master's program in Data Science,
- ❖ Activity 1.2: Development of a higher professional study program in Sustainable Built Environment,
- ❖ Activity 1.3: Developing Green Transition content within the UP Science Centre,
- ❖ Activity 1.4: Sport UP.



GDI UP – Green, Digital and Inclusive University of Primorska

UP aims to develop higher professional study program in **Sustainable Built Environment** as

- ❖ a joint study program with international partner (university outside Slovenia),
- ❖ including international experts as course leaders (no PhD required),
- ❖ with students' practical work at relevant companies in different countries.

This study program will fulfil the current gap at UP – offering of a study program on bachelor level next to the already existing study programs on master and PhD level.



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Thank you



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