



EUROPEAN UNIVERSITIES ALLIANCE FOR SUSTAINABILITY:
RESPONSIBLE GROWTH, INCLUSIVE EDUCATION AND ENVIRONMENT

EU GREEN BIPs Blended Intensive Programmes 2023/2024

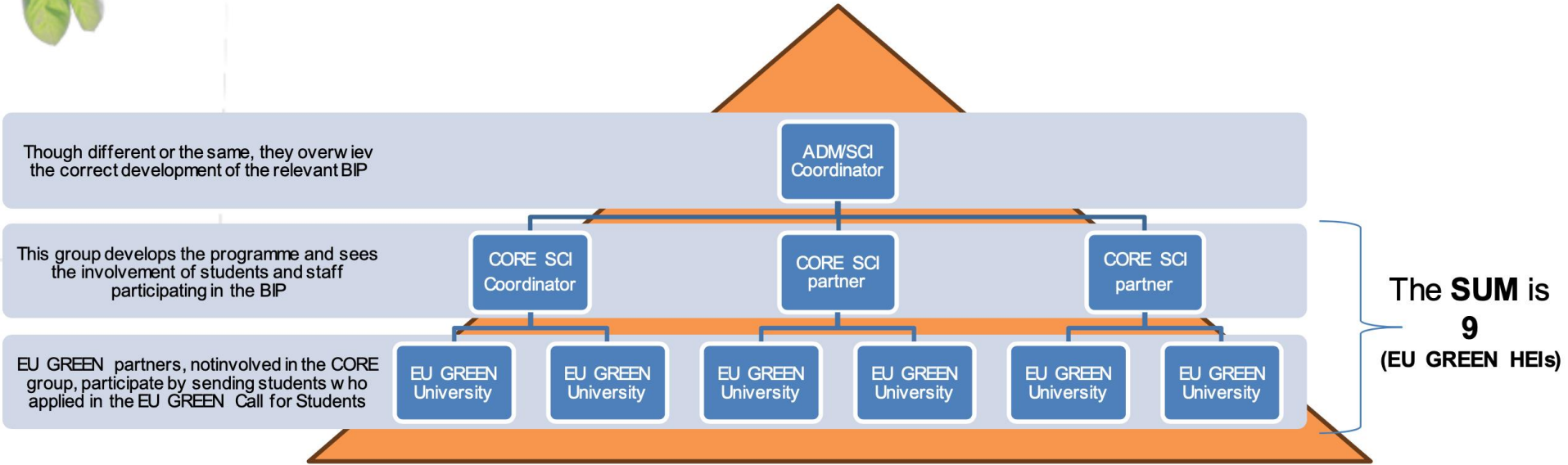
Information sessions for
interested applicants

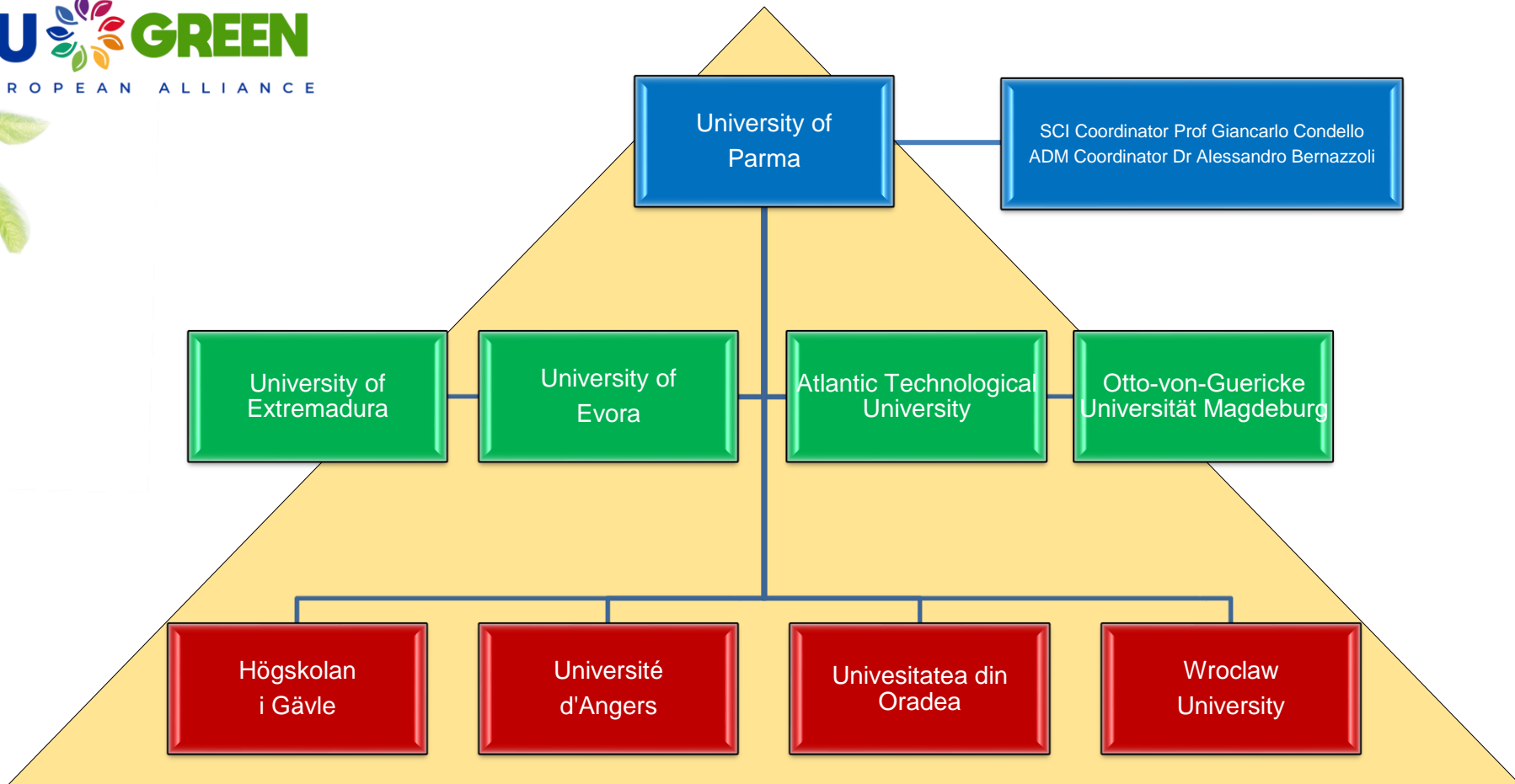




Artificial
Intelligence in
Health and
Sport

BIP framework





Parma, Emilia-Romagna, Italy

- Parma
- Milan airport (about 150 km)
- Bologna airport (about 100 km)





UNIVERSITÀ DI PARMA

Hosting Institution

- Department of Medicine and Surgery
 - Sport and Exercise Science division



BIP participants


- Bachelor, Master, PhD students
- From public health and sport and exercise science
- English language competence at the B1 level (CEFR)

DEADLINE FOR APPLICATIONS → April 20, 2024

LINK FOR APPLICATION

https://forms.office.com/pages/responsepage.aspx?id=xUsGu6i37EG6vte-s_rrHJnA5ZtQoFhljypoi_gJpkxUNTFEVDRIVUZCMUZVUDNRS1Y4RDcwMFFRTCQ|QCN0PWcu

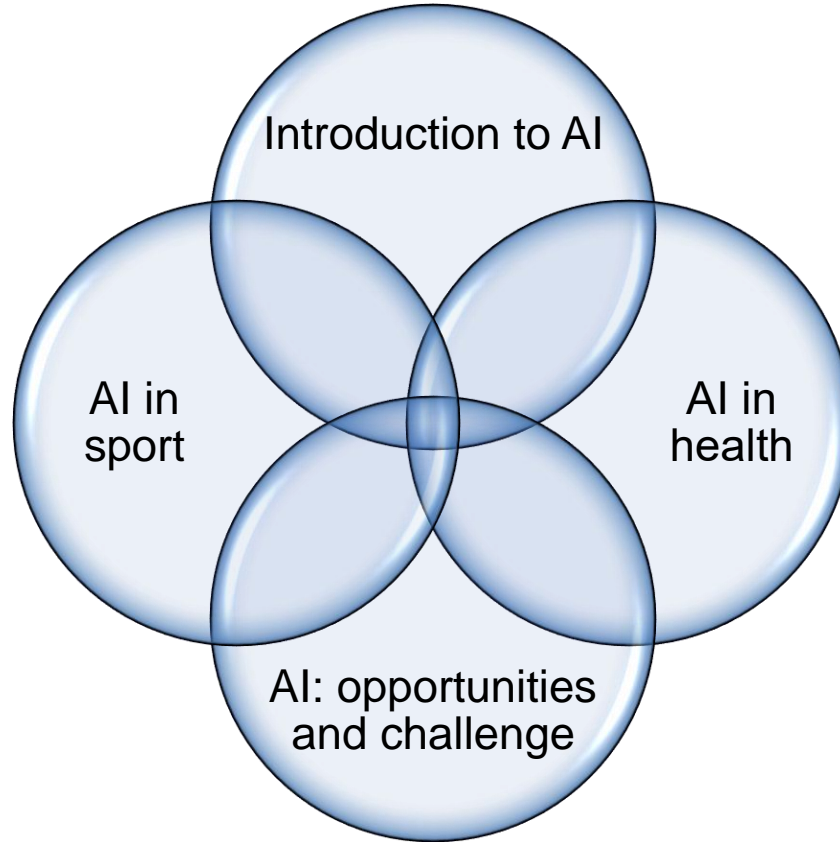


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- The application form must contain the following attachments:
 - Copy of valid ID or passport;
 - Curriculum Vitae;
 - Transcript of Records (A certificate of enrolment at the home University with a list of passed exams and grades);
 - Language certificate (If not already present as an exam in the Transcript of Records);
 - Motivation letter (containing, if applicable, previous experiences abroad);
 - Other documents and certificates (optional).

 - Result of the selection → by **May 10, 2024**

- 6 ECTS
- 2 phases
 - In-presence part → June 17-21, 2024 – 5 days – 30 hours
 - Virtual part → June 24 – July 12, 2024 – 15 days – 18 hours
- English language

BIP program - Modules



Date		Presentation	Speaker
16 th June		Welcome reception at the Student's Hostel L. Ferraris.	
17 th June	9:00 – 11:00	The history of AI development	Prof. Giancarlo Condello
	11:00 – 13:00	Wearable sensors: Can artificial intelligence be a tool for human activity recognition?	Prof. Valentina Bianchi
	15:00 – 17:00	Advancing career with AI in sport industry: Skills for the future and job opportunities	Dr. Hakon Ege
18 th June	9:00 – 11:00	The evolution from machine learning to generative AI	Prof. Claudio Ferrari
	11:00 – 13:00	The application of AI for cardiorespiratory assessment	Prof. Elena Giovanna Bignami Dr. Valentina Bellini
	15:00 – 17:00	Ethical and legal issues of AI	Prof. Rossana Cecchi
19 th June	9:00 – 11:00	AI-based exercise prescription for health	Prof. Santos Villafaina Domínguez
	11:00 – 13:00	Information and communications technology in education	Prof. Christiane Desaiwe Prof. Elke Knisel
	15:00 – 18:00	The use of wearables and the motivation to physical activity	Prof. Elke Knisel
20 th June	9:00 – 11:00	Monitoring patients at risk: Cardiovascular prevention and AI	Dr. Matthias Kunz
	11:00 – 13:00	How Parma leverage analytics to make better decisions on the field and the boardroom	Dr. Mathieu Lacombe Mr. Sébastien Coustou
	15:00 – 18:00	Practical workshop: sport activity and data collection	University sport facilities
21 st June	9:00 – 11:00	AI in healthcare: The theoretical basis Precision medicine and Imaging: Optimizing processes with convolution neural network	Prof. Ruben Foresti Dr. Chiara Martini
	11:00 – 13:00	Preseason screening test and injury management	Prof. Andrea Demeco
	15:00 – 17:00	Workshop: Sensors and video-based system for motion analysis	Prof. Andrea Demeco Dr. Chiara Martini Prof. Ruben Foresti
22 nd June	By 10:30	Check out at the student's hostel by 10:30 AM	

BIP program

Date		Presentation	Speaker
TBD	TBD	Digital Transformation in Sport: The challenges and benefits	Prof. Denise Martin
TBD	TBD	How can machine learning support the management of weekly training load?	Dr. Mauro Mandorino
TBD	TBD	Research in team sports: Can performance be predicted or injuries prevented?	Prof. Tomás García Calvo
TBD	TBD	Multidimensional performance indicators and AI	Prof. Hugo Folgado
TBD	TBD	Machine learning algorithms in team sport performance	Prof. Bruno Gonçalves
TBD	TBD	How can artificial intelligence and principal component analysis (PCA) help in performance analysis?	Prof. Orlando Fernandes
TBD	TBD	Evolutionary Algorithms: Lightweight Design of Risers in Archery	Prof. Jürgen Edelmann-Nusser
TBD	TBD	To what extent can AI overcome human intelligence? A round table	Prof. Valentina Presta
TBD	TBD	Final discussion	Professors for CORE GRUOP Partners

BIP program

Date	Event
Sunday, 16th June	Welcome aperitif* at the Student's Hostel L. Ferraris
Tuesday, 18th June	Parmesan dinner and city tour
Thursday, 20th June	Practical workshop and dinner
Friday, 21st June	Casual evening at city center

- Hostel for students
- 6-8 people per room
- 23 € per night
- Residence tax → 1 € per day

- The price includes: breakfast service, bed linen, access to Wi-Fi, luggage storage, bike parking and parking space in the hostel's private car park (subject to availability). Each room has a private bathroom.
- There is also a **restaurant service** (find more information at page 8). Meals are not included in the accommodation fee.
- Bus from hostel to university and vice versa.

Student's Hostel
"L.Ferraris"

For information

- bip@unipr.it for administrative questions;
- bip.aisport@gmail.com for questions related to the programme organization.

Contact in each CORE GROUP partner

- University of Parma – Prof Giancarlo Condello - giancarlo.condello@unipr.it
- University of Extremadura – Prof. Santos Villafiana Domínguez - svillafaina@unex.es
- University of Évora – Prof. Hugo Folgado - hfolgado@uevora.pt
- Atlantic Technological University – Prof. Lisa Ryan - lisa.ryan@atu.ie
- Otto-von-Guericke Universität Magdeburg – Prof. Elke Knisel - elke.knisel@ovgu.de



UNIVERSITÀ DI PARMA

Welcome to Parma

Thank you for
your attention



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the European Union

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