# Dual Career & International mobility Event...

MAY 16TH

**Matmut Stadium** 

Student Athletes Erasmus+ Mobility in Europe









## Introductory Remarks

Fabien Gengenbacher

Sports Director - LOU Rugby Club





## Best takeway from the event

Thalia Darnanville

European project Manager - INSA Lyon





## The Dual Career Programme of INSA Lyon.

Hervé Bizzotto

Director of the highlevel sports section - INSA Lyon





## THE HIGH LEVEL SPORT SECTION

## Sylvain CACHARD Europeen champion 2022 in Trail Mechanical Engineer in 2023

After 8 years in INSA LYON



François GABARD, Record for a solo circumnavigation in 78 days- 2014



Jean Christophe PERAUD, Olympic champion in mountain bike 2008



Bruno MARIE-ROSE, world champion in 4\*100m relay- 1988 DSI PARIS 2024

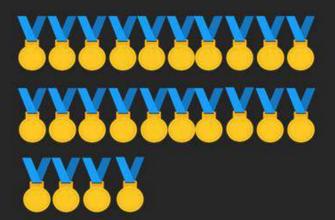
## DUAL CAREER

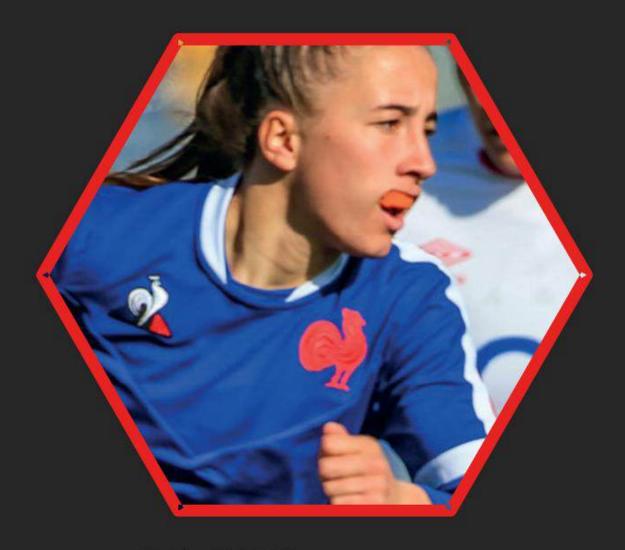
Since 1981



44 SELECTIONS, 8 IN PARIS 2024

32 WORLD CHAMPIONS in many sports 2 in 2024





Chléo HAGEL, French rugby team of seven's rugby 3th Year Informatic Départment

# Re

## Mathis GHIO, Double world champion in WING FOIL 2022 and 2023 3-4th year in Material Department

191 DC students in 2024, 70% men and 30% women 43 sports represented

## THE HIGH LEVEL SPORT SECTION

## RECRUITMENT

Recruitment of DC Students with agility: 40 by year

Review of all the applications (200 in 2024) by the Director of Studies and the Director of High performance

3 groups of sport level depending on Sports Ministry: International level, the top level in France, the good national level

Strong cooperation with many French Sports Federations.

Partnerships with sports clubs: daily training, support for performance in competitions



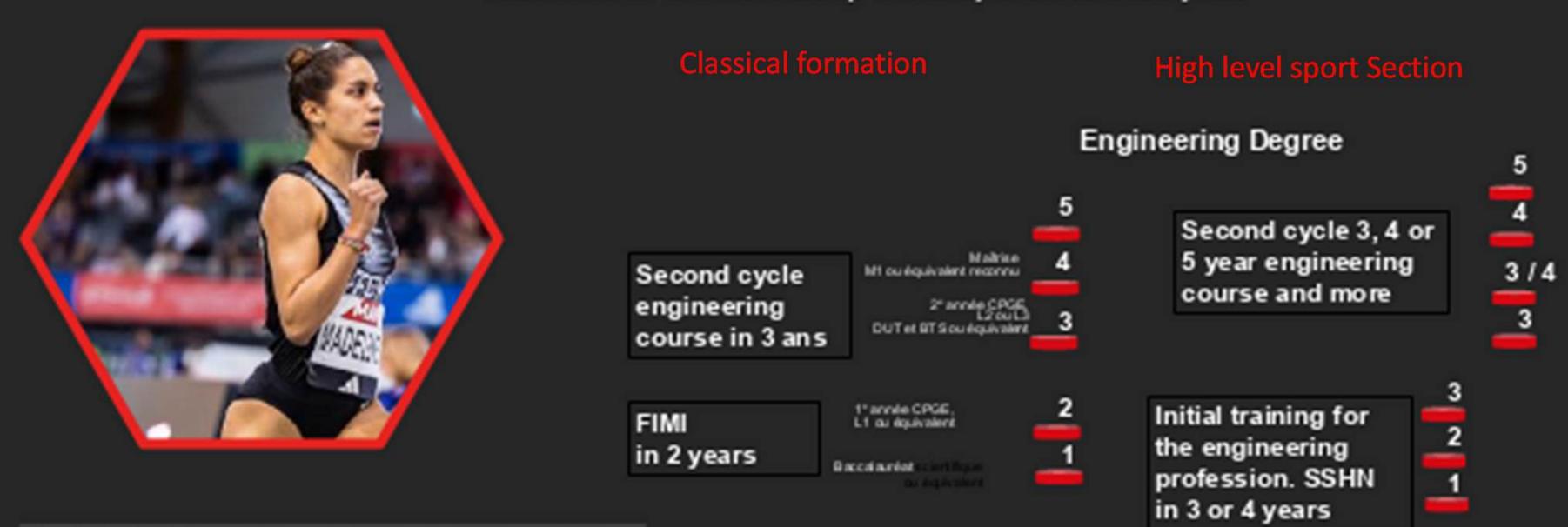
Louise CERVERA, 10<sup>th</sup> OG in Paris 2024 Dinghy ILCA6 4th Year in Mechanical Department



## **Educational and Pedagogical Support Program**

## A 5-year post-bac engineering program .....en 7 years (and more) for top-level athletes

Admission to the INSA Group is mainly in 1st and 3rd year.



Sarah MADELEINE 27ième in JO Paris 2024 on 5000 m

FRENCH BACCALAUREAT, 18 years old

Adaptation of the pace of study is possible in 8, 9 or 10 years



## Jeanne ROCHE, 4<sup>th</sup> World Championship 2024 in Rowing U23 3td year student in civil engineering and urban planning

## THE HIGH LEVEL SPORT SECTION

**Educational & Pedagogical Support Program** 

Justification for absences

Changing exams or courses dates

Some courses a ms by videoconference

Internal Platform to study online

Tutoring (400h) and support classes (200h)

Arrangement of the company internship (7 to 11 months)



Dimitri Granjux, Paralympique Games 2024 5th in the Paralympic finals

Student in Initial Formation of Engeneer





### **Emilien MAIRE**

Vice world champion in 2022 in modern pentathlon Student in Initial Formation of Engeneer

## High Performance Project and Access

## **Sports and Health Program**

Provision of a weight room and Free access to fitness trainers. Re-athletization and individual coaching

Osteopathic follow-up
Recovery by cryotherapy.
Massage therapy, Acupuncture

Recovery: Access to relaxation area and cold bath + sauna Physiotherapy with French social security system Upper and lower body isokinetic test

Dietetics and nutritional monitoring Follow up in Mental and psychological preparation





### Koceila MAMMERI Qualified on JO Paris 2024 in Badminton double for Algeria

5th years of mechanical department 9 years in INSA

## THE HIGH LEVEL SPORT SECTION

## INSA INTERNAL NETWORK ORGANISATION

Prior access to campus accommodation in a dedicated building.

Wire-cutting at lunchtime, restaurant reserved from 8pm to 11pm

Weight room maintenance

Acess to Health Center

Promoting the professional careers of student

Alumni Annual meetings, linkedin page, internship search, etc...





Mel JANSE VAN RENSBURG Qualified in JO PARIS in Climbing for South Africa

Student in Initial Formation of engeneer

## THE HIGH LEVEL SPORT SECTION



## **Financial Sustainability**

Public subsidies from the State and the school

Private cooperation partnerships

Specific fees from athletes students (400€/year, free for lower incomes students)





Hugo NIHOUARN
INTERNATIONA REFERRE IN TENNIS
Qualified for PARIS OG 2024
Mechanical engeneer 2023

## THE HIGH LEVEL SPORT SECTION



## **WAYS FORWARD**

More course recordings at master level

Creation of a certificate of recognition of the engineer's curriculum as a athletes students

Dissemination actions to boost the recruitment in France

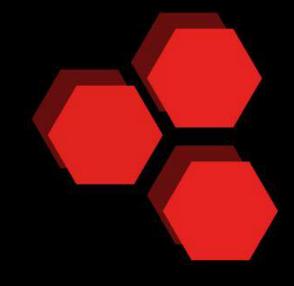
Collaboration with members of the EAS across Europe

Sourcing private partners



## THE HIGH LEVEL SPORT SECTION







## **CONSORT GROUP**

**Corporate Sponsorship** 

2022: INSA Lyon and Consort Group have decided to join forces to support HPSS students.

This alliance is based on shared values such as exemplarity and excellence.

DC students benefit from care to improve their performance.



## THE HIGH PERFORMANCE SPORT SECTION: REWARDS















Every month, a « Top athlete of the month » is elected among the INSA Lyon top athletes by a jury for his/her athletic achievements...













## THE HIGH PERFORMANCE SPORT SECTION: REWARDS



### **CAMILLE DROGUET**

5 GM BASKET-BALL

**CHAMPIONNE DU MONDE CHAMPIONNAT DU MONDE** BASKET MOINS DE 23 ANS





## SPORTIFS DE L'ANNÉE

2022 - 2023

SECTION SPORTIVE DE HAUT NIVEAU







**CHAMPION DU MONDE 2022** 



COUPE DU MONDE ELITE DE WINGFOIL RACE



### LOUISE **CERVERA**

CHAMPIONNE DE FRANCE ELITE

QUALIFICATION AUX JEUX OLYMPIQUES





## **SPORTIFS DE L'ANNÉE** 2023 - 2024

→ SECTION SPORTIVE DE HAUT NIVEAU





WINGFOIL

**CHAMPION DU MONDE POUR LA 2º ANNÉE CONSÉCUTIVE** 









Mechanical Engineer in 2023 after 8 years In INSA



## INSTITUT NATIONAL DES SCIENCES APPLIQUÉES LYON

**Contacts:** 

Hervé BIZZOTTO, Director

herve.bizzotto@insa-lyon.fr





## Round Table

Benefits of international mobility on Dual Career student profiles



## The speakers

Nathan Celié INSA Lyon



Gérald Gambetta LOU rugby training center



Olivier Coupat French orienteering pole



Melvin Perrier INSA Lyon



Aki Karjalainen Jyväskylä Sports Academy



Elie Cohen Consort Group



GENERAL MANAGER





## Meet our DC students during the break







Cléo Hagel INSA Lyon Rugby









## Sociological Study

Companies' perception of job applications from DC graduated

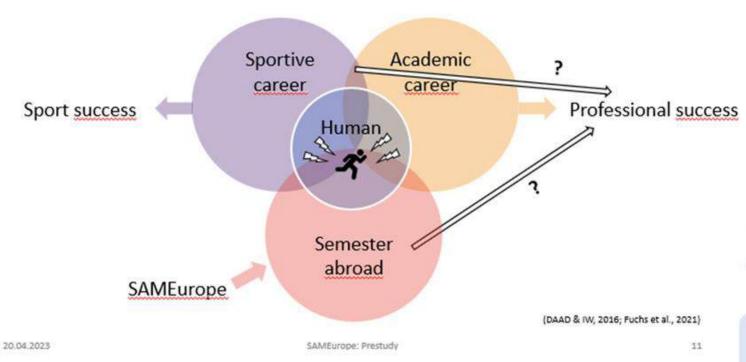
Swantje Scharenberg Pascal Haase Research expert and lecturer - Karlsruhe Institute of Technology
PhD Student and Research
Associate - Paderborn University



## INTRODUCTION



## PRE-STUDY BY JOERN SCHULER (MA THESIS)



Results

In what way does the dual career influence personal development?



### **Dual Career**

- Planning & organizational skills
- Soft skills (empathy, critical faculty & communication)
- Skills to manage pressure, stress & strain
- Openness & Conscientiousness
- Values (Fairplay, discipline, respect)
- Self-initiative, self-reliance, self-assessment, self-efficacy

### Semester abroad

- Intercultural & language skills
- Planning & organizational skills
- Soft skills (communication, empathy, adaptability, ability to work in a team)
- Openness
- · Diligence & patience
- Self-reliance & self-initiative



### INTRODUCTION



## **CURRENT STATE OF RESEARCH ON DC ATHLETES AND MOBILITY**



Building No. 11.30 | Foyer | Campus South, Karlsruhe

Positive Youth Development through mobility – best practice at the KIT faculty of industrial engineering

Prof. Dr. Orestis Terzidis

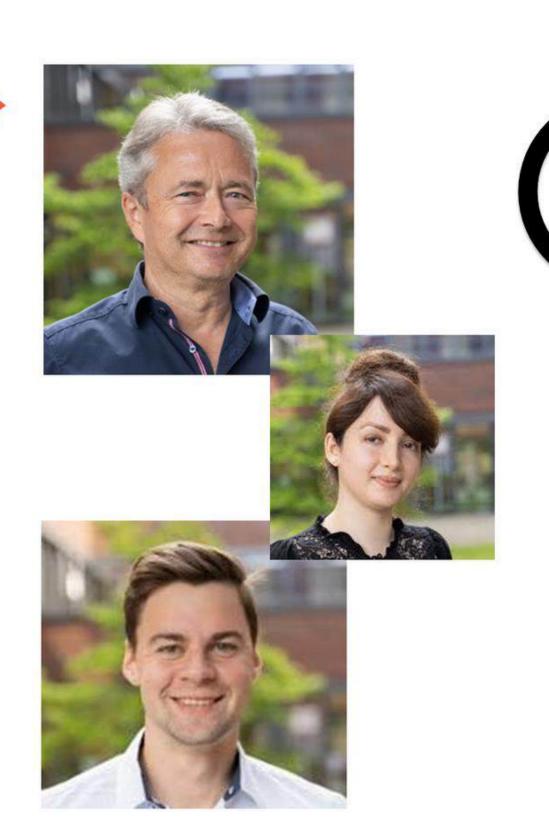
Academic Performance and Salary Expectations of Couch Potatoes, Recreational and Elite Athletes

Bernd Frick, Nikolaus Risch & Laura Urgelles

Aguiar-Noury A, Frick B and Risch N (2024) The relationship between life satisfaction and risk preferences of couch potatoes, recreational and elite athletes: the impact of mental dispositions and attitudes. *Front. Behav. Econ.* 3:1472427. doi: 10.3389/frbhe.2024.1472427



## RESEARCH APPROACH



Survey



CV of FISU WUG Participants

Correspondence Study





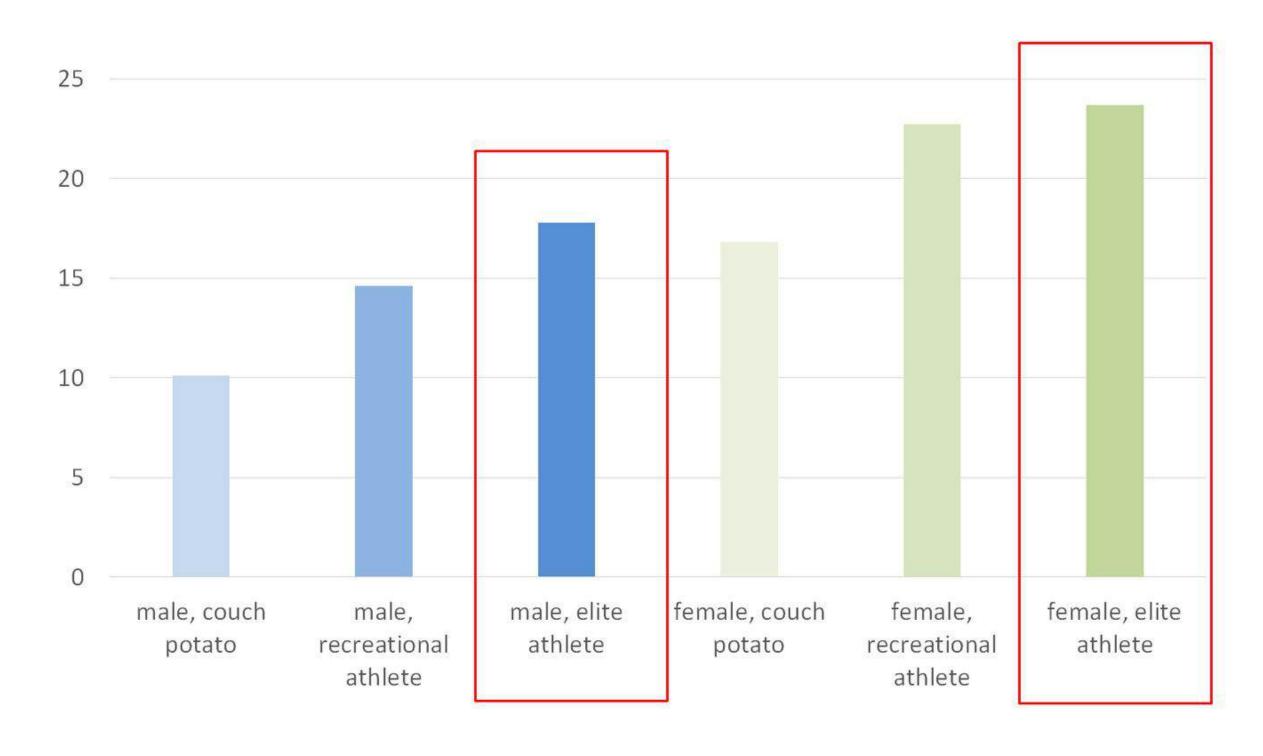
IS INTERNATIONAL MOBILITY OF DUAL CAREER STUDENTS, RECREATIONAL ATHLETES AND COUCH POTATOES CORRELATED WITH PERSONALITY AND LIFE SATISFACTION?



## SURVEY - RESULTS



## PERCENT STUDYING ABROAD





## SURVEY - RESULTS

## PRELIMINARY RESULTS (I)

Percentage of dual career students studying abroad is significantly higher than

among both, recreational athletes and couch potatoes.

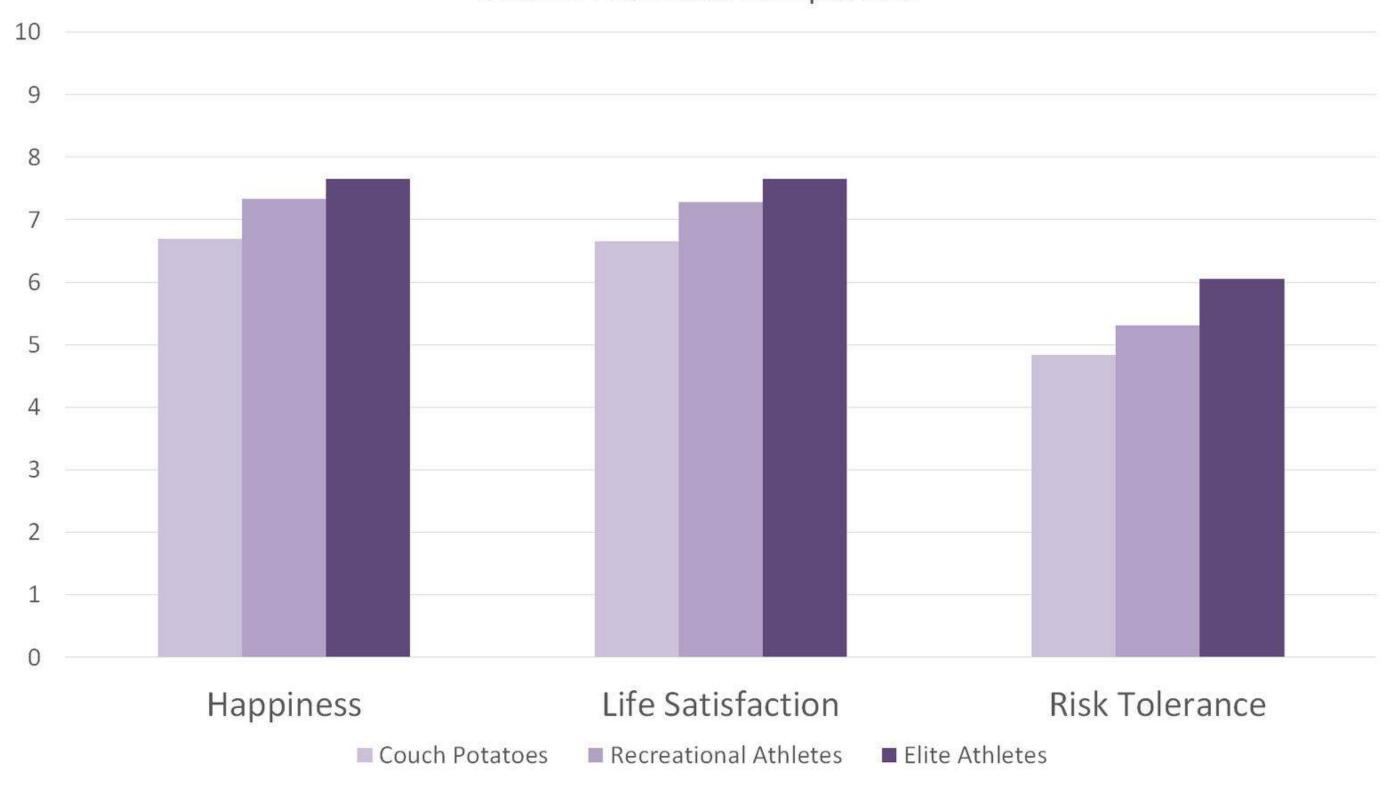
This difference is larger among women than among men.





## MENTAL ATTITUDES

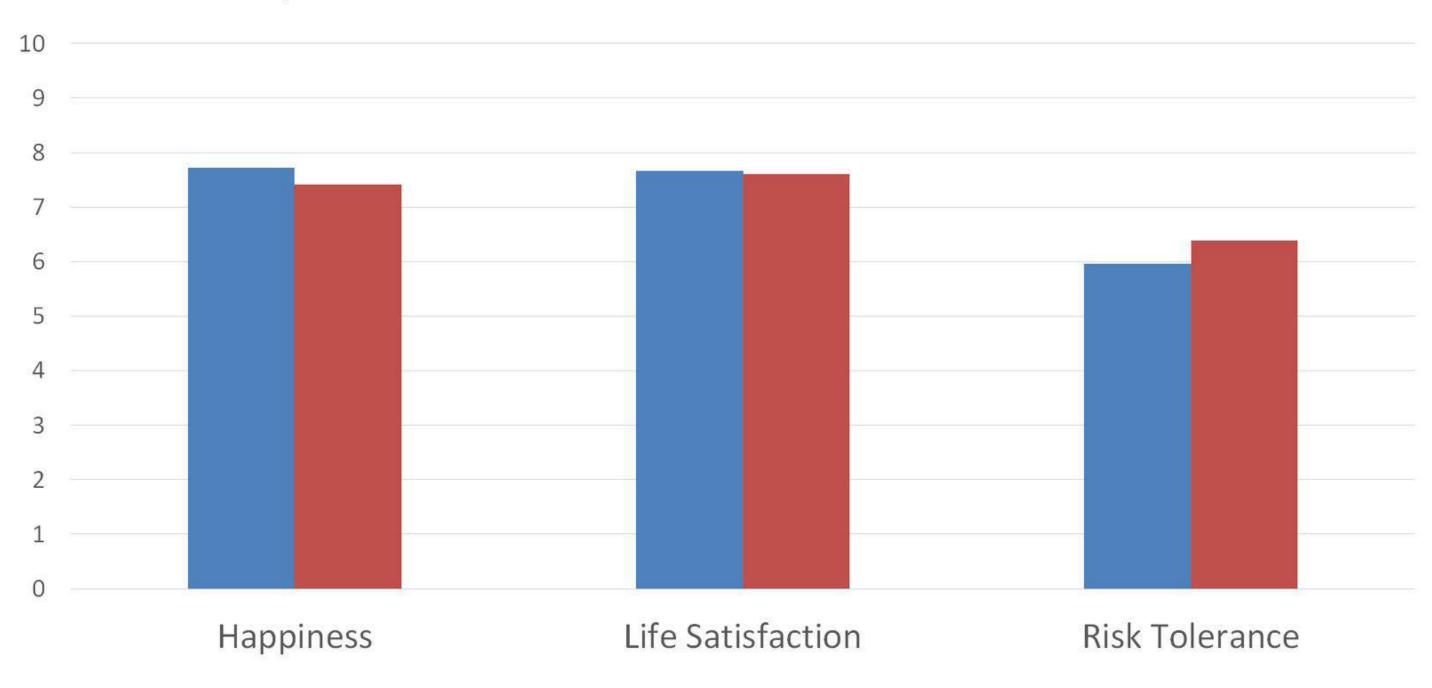
### Mental Attitudes Comparison





## MENTAL ATTITUDES

### Comparison of Mental Attitudes: Elite Athletes at Home vs. Abroad





## SURVEY - RESULTS

## PRELIMINARY RESULTS (II)

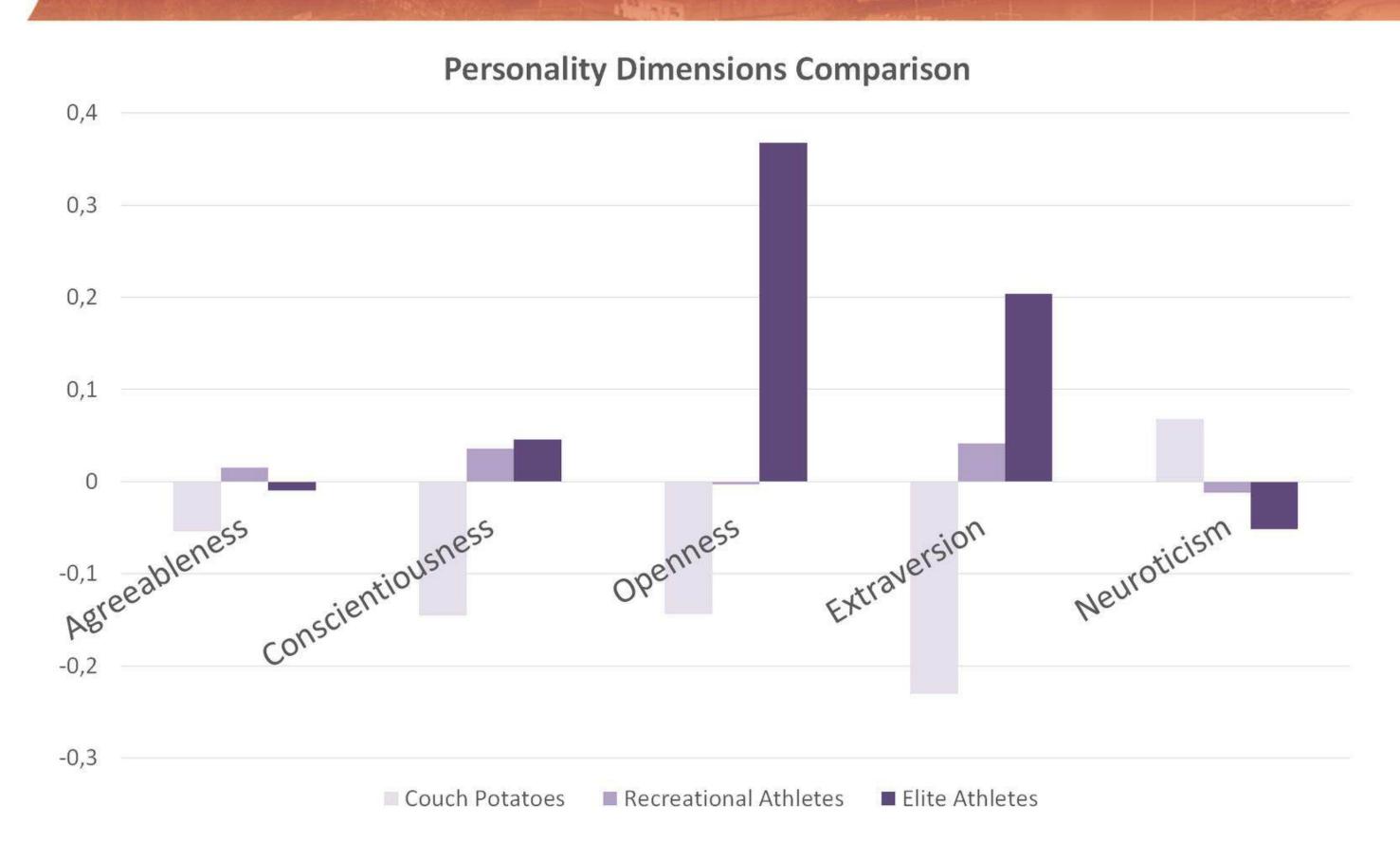
Elite athletes report significantly higher levels of (short-term) happiness, (long-term) life satisfaction and are more risk-tolerant than both, recreational athletes and couch potatoes.

Dual career students and immobile elite athletes (i.e. individuals that did not move abroad) score equally high on each of these dimensions.

'If men define situations as real, they are real in their consequences' (Thomas Theorem, 1928)



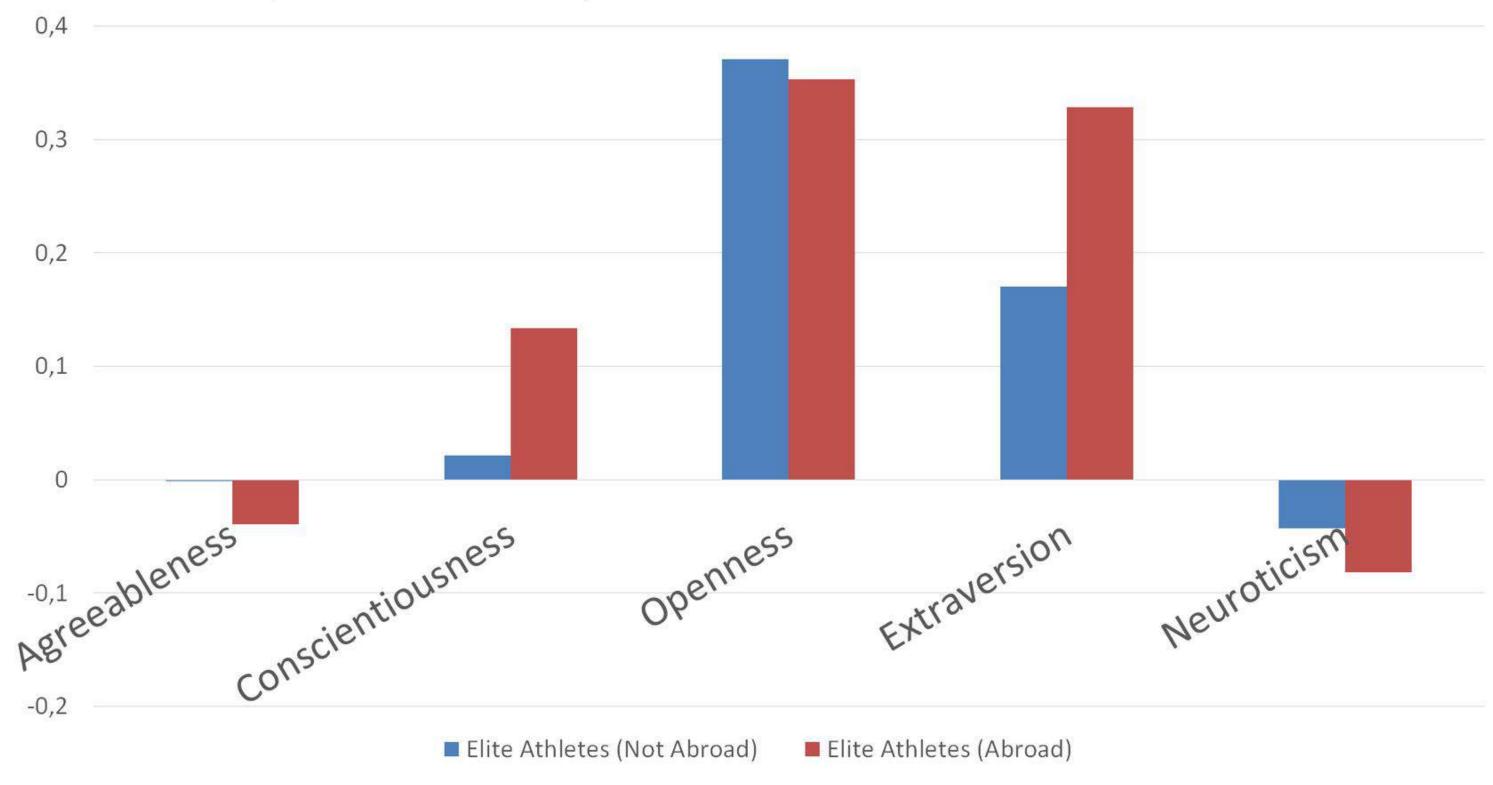
## PERSONALITY DIMENSIONS





## PERSONALITY DIMENSIONS







## SURVEY - RESULTS



## PRELIMINARY RESULTS (III)

On average, elite athletes have significantly different personalities than both, recreational athletes and couch potatoes. Using a standardized version of the German "Big 5" personality

inventory, we find that they score

higher on the agreeableness items

- higher on the conscientiousness items
- higher on the openness items
- higher on the extraversion items and
- lower on the neuroticism items

As before, the differences between dual career students and immobile elite athletes are **not statistically significant**.





## SURVEY - RESULTS



- Elite athletes differ from their fellow students with respect to happiness, life satisfaction and risk tolerance and display higher levels of risk tolerance.
- Elite athletes have significantly different personalities compared to recreational athletes and couch potatoes.
- Dual career students and immobile elite athletes (i.e. student athletes that do not go abroad) are not different from each other.
- Do these differences translate into differences in academic performance and career expectations?
- What are the implications for universities and policy makers?





## DO EMPLOYERS RECOGNIZE THE VALUE OF INTERNATIONAL MOBILITY AND THE CAREER AS AN ELITE ATHLETE?



## CORRESPONDENCE STUDIES



## **CURRENT STATE OF ACCEPTANCE OF THE METHOD**

Lippens, L., Vermeiren, S., & Baert, S. (2023). The state of hiring discrimination: A meta-analysis of (almost) all recent correspondence experiments. *European Economic Review*, 151, [104315]. https://doi.org/10.1016/j.euroecorev.2022.104315

Kolle A (2014) Gender and Ethnic Discrimination in Hiring – Evidence from field experiments in the German Labor Market. PhD



Assessing the perceived potential of student athletes among potential employers in the Labor Market – the first correspondence study targeting dc athletes! (Approved by the ethics comittee of









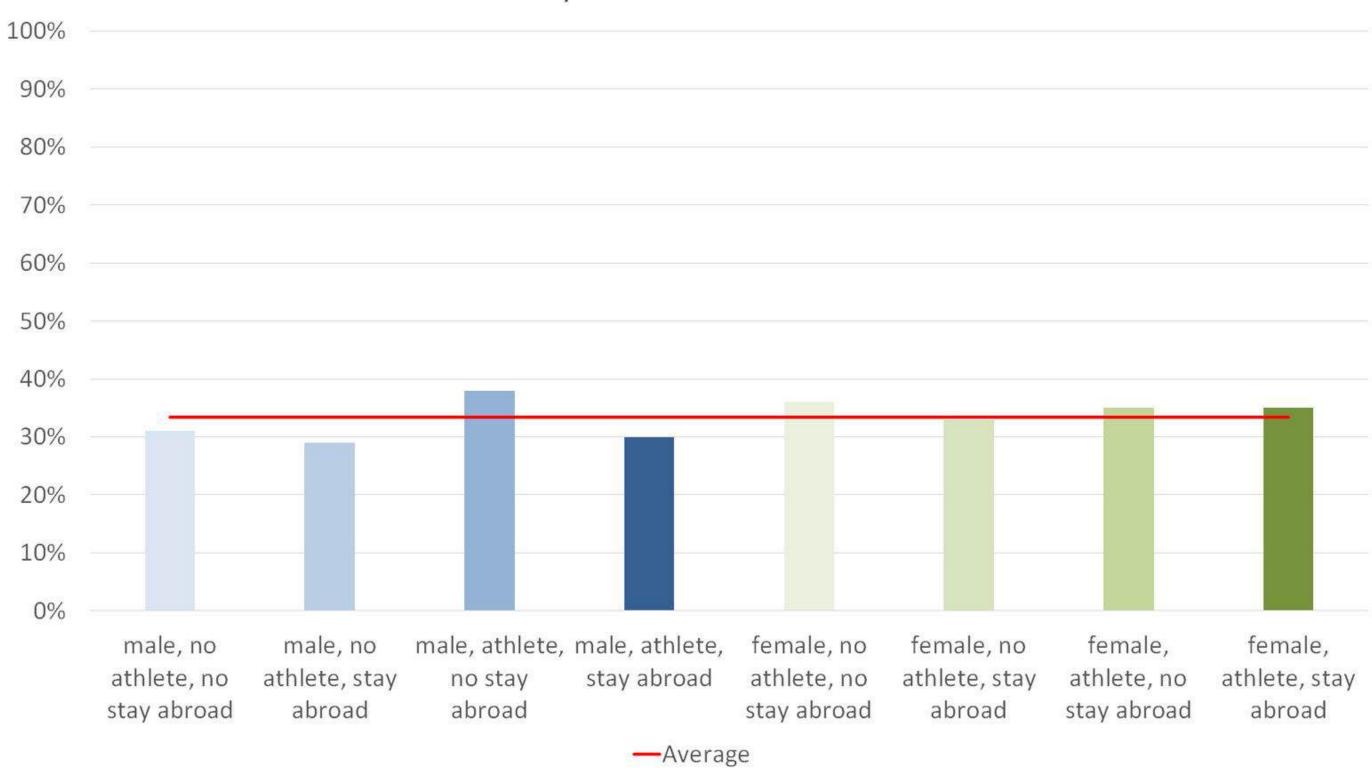
# CORRESPONDENCE STUDY - GERMAN LABOR MARKET

- Using fictitious resumes, we examined the impact of the characteristics 'elite sports' and 'international mobility' on the likelihood of receiving an interview invitation
- Variation in
  - Gender
  - Elite athlete
  - Semester abroad
- 8 different profiles
- 800 sent applications to 400 employers



#### CORRESPONDENCE STUDY — GERMAN LABOR MARKET

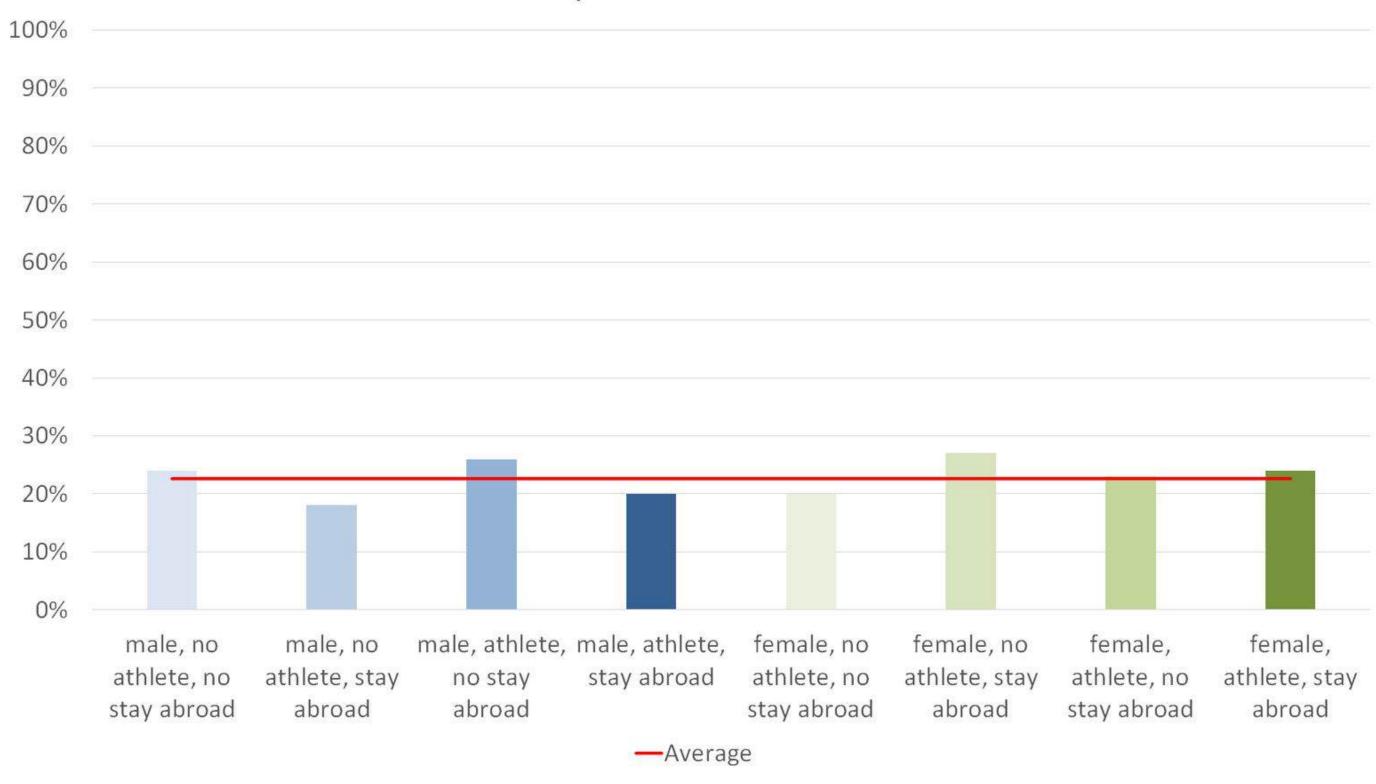
#### Callback Rate by Combination of Characteristics





#### CORRESPONDENCE STUDY — GERMAN LABOR MARKET

#### Invitation Rate by Combination of Characteristics





#### CORRESPONDENCE STUDY — GERMAN LABOR MARKET



Common assumption

 Individual characteristics, such as participation in elite sports or studying abroad have a positive impact in the job application process.



Findings of this study

- Challenge the common assumptions.
- Suggest that while these experiences are often marketed as assets for employability, they may not necessarily translate into improved chances of securing an initial job interview.



**Implications** 

- For employers, this raises the need to re-evaluate the criteria used to assess candidates.
- For educational institutions and career advisors, these findings underline the importance of setting realistic expectations for graduates.
- Policymakers should also consider these insights when promoting international mobility or sports programs as pathways to enhanced labor market opportunities.

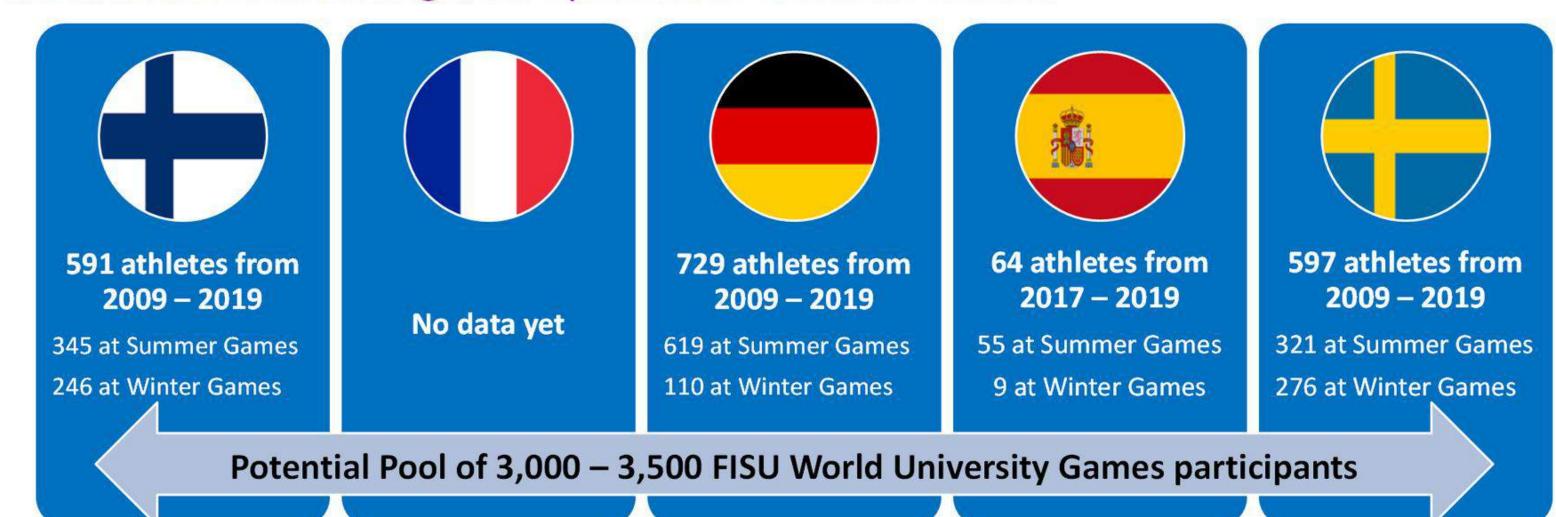




#### THE REAL WORLD

#### **EVIDENCE THROUGH CV OF FISU WORLD UNIVERSITY GAMES PARTICIPANTS**

The open-access pool of dc athletes, participating for their country at the UNIVERSADE/FISU World University Games, gives us a great number of people, mostly with LinkedIn profiles and therefore valuable, yet hitherto unexplored information concerning their sports and business career.





#### SOCIOLOGICAL STUDIES



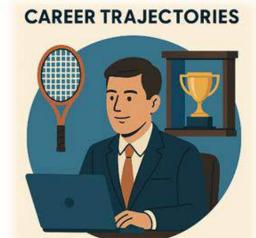
Self-Assessment

- Elite athletes exhibit higher levels of happiness, life satisfaction and risk tolerance
- Significant personality differences compared to recreational athletes and couch potatoes
- Mental attitudes and personality traits do not differ significantly between mobile and immobile DC students



**Employer Perceptions** 

- No significant positive effects of elite athlete status or international mobility on employer callbacks
- Better grades are strongly associated with higher callback probabilities
- Implication: Employers primarily value academic performance over extracurricular achievements



**Career Trajectories** 

- Systematic analysis of LinkedIn profiles of FISU World University Games participants
- Insights into sports and business career developments of former student athletes



# Dual Career Event-16 May



# Possibilities for cooperation between companies and the

INSA Lyon within the framework of the DC programme

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Laurent Picheral

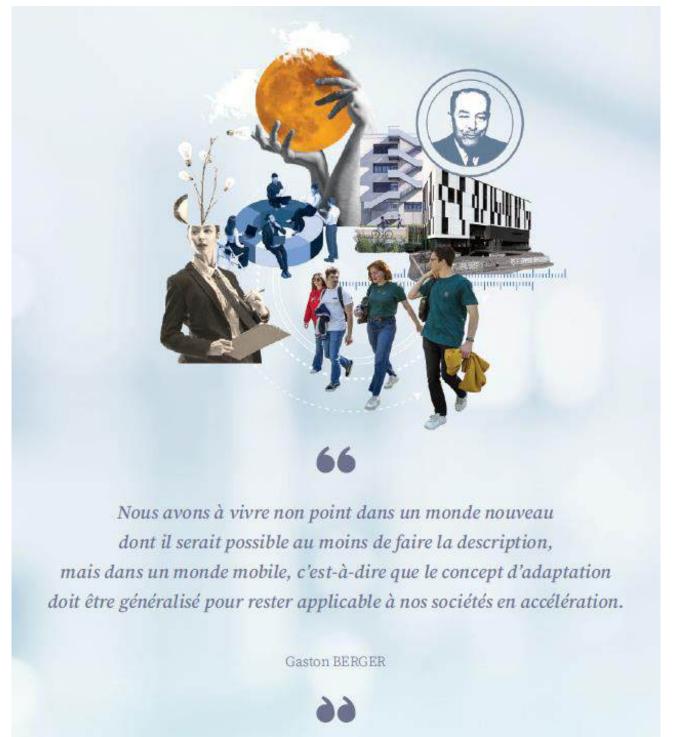
Vice-President for Corporate Relations - INSA Lyon

### OUR Foundation Insa Lyon POSITIONING: A SPONSORSHIP AT THE CROSSROAD OF MAJOR CHALLENGES

Understanding what is at stake and how taking ownership on the issues in order to:

- act together in the heart of our society,
- contributing to transitions,
- placing human values in the center of our actions, ruled and supported by involved governance bodies,

,



#### 15 YEARS contributing to support INSA LYON as well as our society

VISION: INSA LYON FOUNDATION, A STRATEGICAL BRIDGE CONNECTING INSA LYON and SOCIO-ÉCONOMICAL ACTORS

Historical Support to Institut Gaston Berger

Greater opening for cultural diversity - social lift - Inclusion - Humanism - Prospective +

Promoting equal opportunities to education access

2 976 financial supports based on social criteria for students

#### Between 50 et 200 keuros/year/mecene

Collected in average via each mecene company

Alumni and students parents mobilised More than 4 200 individual donors

Around 200 keuros/year collected

Supporting Trainings and Education contents,

And their (re)volution taking into account soci ecological issues

Contributing to a state of the art scientific Research

14 Research Chairs launched

238 projects awarded by « un Coup de Pouce » since 2016

le; more than 360 students-engineers supported in their passions et talents

1067 students associations projects supported since 2009

Directly or through the INSA « Conseil de la Vie Associative »

#### **OUR SPONSORSHIP ACTIONS / PROGRAMS**

5 programs, 2 Funds and dedicated actions to support l'Institut Gaston Berger:

Solidarities, inclusion & diversity (Bursaries, Coup de Pouces, Fonds associations, Institut Gaston Berger)



> Cooperations & socio economical issues (Alliances, Convergence)



Missions mixed to scientific research &academical training (scientific chairs Open source, Education Fund including sponsoring of students

# PROGRAMS & key ACTIONS



Slide 6



Slide 7



Slide 8





Slide 9





Slide 11 & 12



Slide 13

# OUR MECENE/PATRON COMPANIES





#### BURSARIES PROGRAM OF OUR FOUNDATION

Historical Program, fundamental for INSA Lyon, supporting since 2009 the success of talents through an organisation promoting equal opportunities to education access.

319 Financial supports allocated on social criteria basis in 2023/2024;
 2 976 financials allocations granted up to now.
 1 key event = our INSA Lyon Bursaries yearly event

Patronage/sponsorship enables to finance around 60% of financial support granted by our School based on social criteria, A target that our Fondation has maintained in a context of reshaping and making evolve the program in 2023/24.



















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#### « COUPS DE POUCES » PROGRAM

Being a Symbol of our Foundation support towards students, Coups de Pouces program allows them to make their creativity projects real, whatever the nature of the project might be technological, artistical, sport oriented or entrepreneurial.

#### 30 Coups de Pouce allocated in 2024 ; 238 since 2016.

Mise en scène d'une pièce de théâtre "Candide ou un tandem quatre places" jouée à la Rotonde Pierre RIPOLL, Lauréat 2019





Participation aux épreuves de sambo lors des Jeux Européens de Minsk en 2019 Chloé BRU, 4GI Lauréate 2019



Participation au championnat académique de programmation d'Irlande Mathis HAMMEL, 5IF Lauréat 2018

Réalisation d'une exposition photo sur la section Arts-Etudes Camille ZOUDE, 3SGM Lauréate 2018



Participation aux Skyrunning World Series en 2018 Mathieu DELPEUCH, FIMI Lauréat 2018





Reproduction d'une télécabine débrayable à l'échelle 1:32, à l'aide de l'impression 3D Romain BOUNIARD, 4 GM Lauréat 2018 et 2019



Motorisation innovante d'un skate électrique haute performance Simon LOISELET, 4GM Lauréat 2020



#### **EDUCATION FUND**

Supporting projects & initiatives as a part of INSA Lyon training actions, offering pédagogical interests.

Allocation : 200 K€ en 2023



#### **ASSOCIATIONS FUND**

**supporting association life and dynamics of our institute** through the actions of the « Conseil de la Vie Associative (CVA) » on one hand and by directly supporting students associations on the other hand

72 associations projects supported in 2023/2024; 1067 since 2009.



#### **RESEARCH & TEACHING CHAIRS**

6 active Chairs, integrated within strategical partnerships supported by the Foundation, are part of the Research programs and strategy of INSA Lyon:

- These chairs enrich and boost synergies between R&D from industries and a state of the art academical research,
- They create a specific space for a think tank around scientific data and prospective issues
- They mobilised know how in an open source scientific approach, based in the complementarity of the 22 laboratories of INSA Lyon,
- They continuously nourrish initial training steps and continue to adapt their teaching content and approaches considering the identified industries needs/expectations.















#### **ALLIANCES**





#### Alliances are partnerships with a societal impact, both innovating and transforming:

- They engage research-teaching professors, engineer-students as well as patron/mecene companies serving a common good cause, answering to their search of meaning,
- They allow any civil society actor to have access to know how and necessary scientific knowledge to increase their impact.

<u>Example of scientific works with impact</u>: Thesis in 2021-2024: scientific research works of Valentine DELBRUEL: « CSR compatible technologies usage in order to elaborate clinical support for fonctional readaptation for injured people »











#### **CONVERGENCE PROGRAM**

- Innovating program, supporting (r)évolution of INSA Lyon educational programs in order to integrate socio-écological issues:
  - Innovating since it is well oriented towards topics that INSA Lyon investigate as a scientific sherpa in terms of Education and scientific programs;
  - Innovating since it is combining INSA Lyon actions together with those of Patron companies around the same challenges generated by any transition;
  - Innovating since it is mobilising research professors, engineer -students and representatives of patron/mecene companies.
  - => A 4 sessions (8 days) think tank organisation, mobilising 100 Insa Lyon representatives (researchers, professors, teachers, Students, Administrative experts, Patron representatives), delivering 108 propositions in terms of actions

    ASSEMBLÉE P

















#### **CONVERGENCE PROGRAM**

**VOLET INSTITUTIONNEL** VOLET MISE EN ŒUVRE dans les départements\* : Cercle des mécènes et partenaires des départements **VOLET TRANSVERSAL** Projets inter-départements\*

Strong link with Insa Lyon socio ecological Transformation Direction, supporting the evolution of INSA Lyon training programs / Principle of « learning community »; quelques exemples:

☑2/09/2022 : Interview Grand Témoin Saint-Gobain « Réduction des émissions de CO2, les ambitions de Saint-Gobain »

☑1/09/23 : Conference Arthur Keller « Pourquoi décarboner ne suffira pas ? » à l'occasion de la rentrée du Collège d'ingénierie

☑13/09/23 : Interview Grand Témoin Assystem « L'ingénierie digitale des futurs systèmes énergétiques »

☑Du 5/02/24 au 5/03/24 : Exposition & conferences of Luc Schuiten « Un monde biomimétique »

□In 2024: INSA Lyon Assembly for ecological and social Transition > f50% financed by the Foundation

Strong link with the academical training Department (direction, teachers-researchers, Students associations, éStudents) / Pedagogical programs, Employment Brands

involved departments: GCU, GE, GEn, IF, TC, Matériaux

☑6/10/23: Visits of industrial site of Safran Helicopter Engines located in Bordes (50 students de GI, GM et SGM)



#### **INSTITUTE GASTON BERGER**



Institute Gaston Berger and Foundation Insa Lyon have a very close history and a strongly linked path, both created in 2009 to support ISA Lyon in its identity missions.

The Fondation has then always supported the initiatives launhed by Institute Gaston Berger.

The financial support combined with the involvment of employees of Patron companies are the basis to accompany today the Institut Gaston Berger according to its 3 axes of development:

- → Social opening, welcoming diversities actions against discriminations
- → Prospective
- → Humanist Engineers









# **SAMEurope Project**

This event is a good basis to think about future and potential tracks to be potentially further investigated ( to be however confirmed still with the Foundation Insa Lyon Board) to be in a position to build a program content around supporting SHN students of INSA Lyon in their studies in Europe ( be aware of existence of Erasmus+ financing).



# Dual Career Event-16 May



# Conclusions & Wrap up

• • •

Swantje Scharenberg

Research expert and lecturer - Karlsruhe Institute of Technology



# Dual Career Event - 16 May



# Thankyou for your attention.

https://www.sameuropeproject.eu/

