



steeluniversity

steelChallenge-18 and
1st Italian steelChallenge.

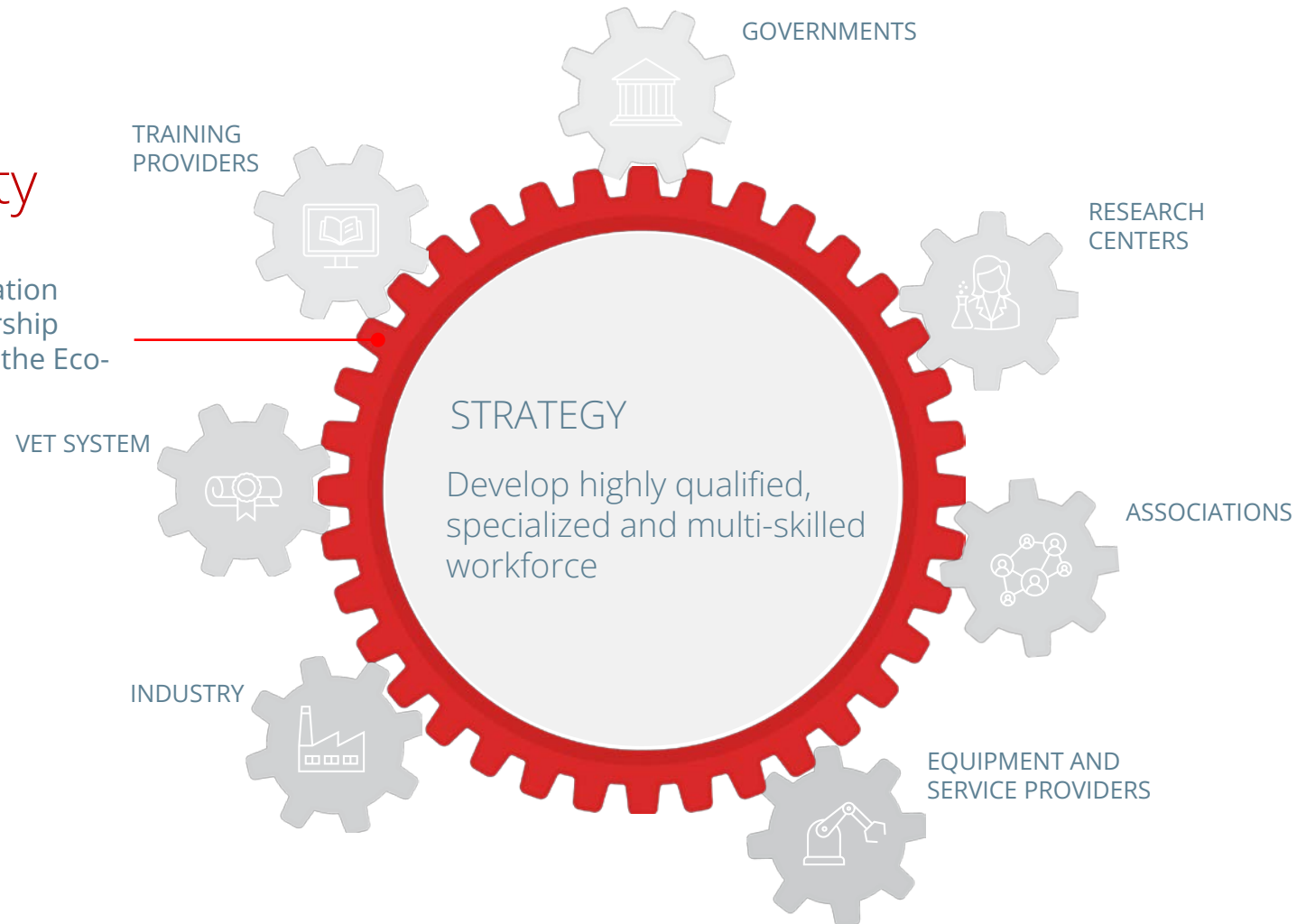
Jorge Muract

Director steeluniversity

Talent Development Ecosystem

steeluniversity

Platform to facilitate coordination, communication and collaborative partnership between stakeholders of the Eco-System.



steeluniversity platform



Learning solution Directory

Collection of learning solutions provided by experts and organizations into **steelHub**.



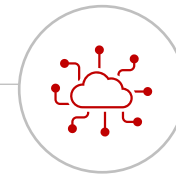
Skill Directory

Skill and knowledge directory that represent the current and future training needs of the steel sector.



Capability Assessor

Solutions to deliver capability assessments to organization and individuals to design customized development path.



Integration

Flexible integration options to meet the unique needs of organizations of different size and type as well as individuals.



Learning Networking

Provides a collaborative and supportive environment for individuals or organizations to share knowledge, skills, and resources.



Technology infrastructure that facilitate communication and partnership between stakeholders of the Online Training Ecosystem.

steelChallenge-18

Game-based Learning experience to develop metallurgical skills, attract and retain talents.



steelChallenge

Objective

- Attract and retain talent to steel industry.
- Develop **young** students and professionals in the steelmaking process.

Target Audience

- Student Category: University students of Metallurgical, Chemical, Mechanical and Electrical engineering.
- Industrial Category: Young professionals in Metallurgical, Chemical, Mechanical and Electrical engineering.



steelChallenge



4th Sep, 2023

Open Registration

The registration is performed in steeluniversity.org and once register the student access to simulations, 3D models, e-learning courses, video tutorials, forum and support desk.



20th Sep, 2023

Sustainable Operation of EAF

1 hr Master class deliver by industrial experts. The Master class is recorded and it is available with subtitle in English and Spanish.



11st Oct, 2023

EAF Simulation Tutorial

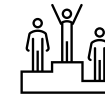
1 hr Master class deliver by industrial experts. The Master class is recorded and it is available with subtitle in English and Spanish.



15th Nov, 2023

Trends in EAF technologies

1 hr Master class deliver by industrial experts. The Master class is recorded and it is available with subtitle in English and Spanish.



29th Nov, 2023

Regional Championship

Take place 29th November 2023 from 12.00 UTC. Participants will access the competition from the [steeluniversity](https://steeluniversity.org) website and will have 24 hours to record successful runs of the chosen steelmaking simulators.

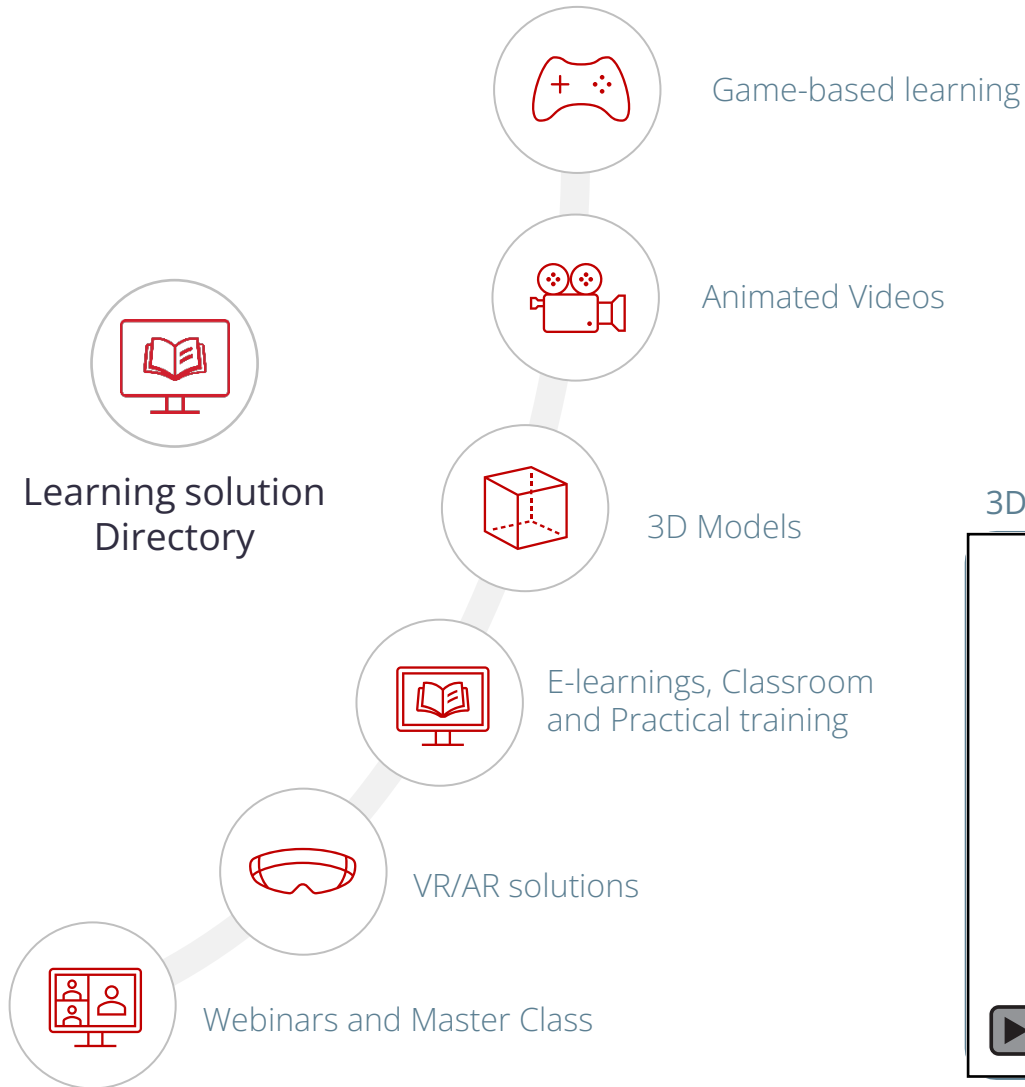


10th Apr, 2024

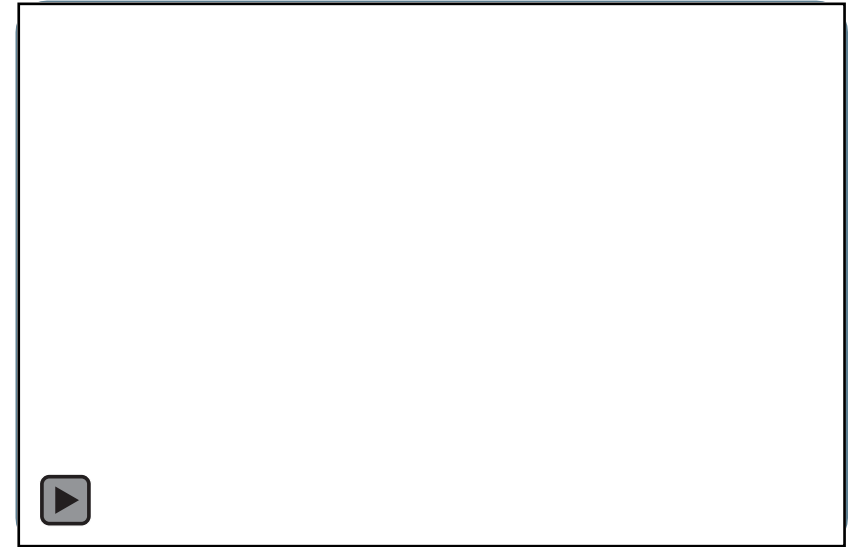
World Championship

There will be 10 qualifiers for the World Championship to be held April 2024 at the time and location of worldsteel's Special General Meeting (SGM). The qualifiers include the student and industry winners in each region.

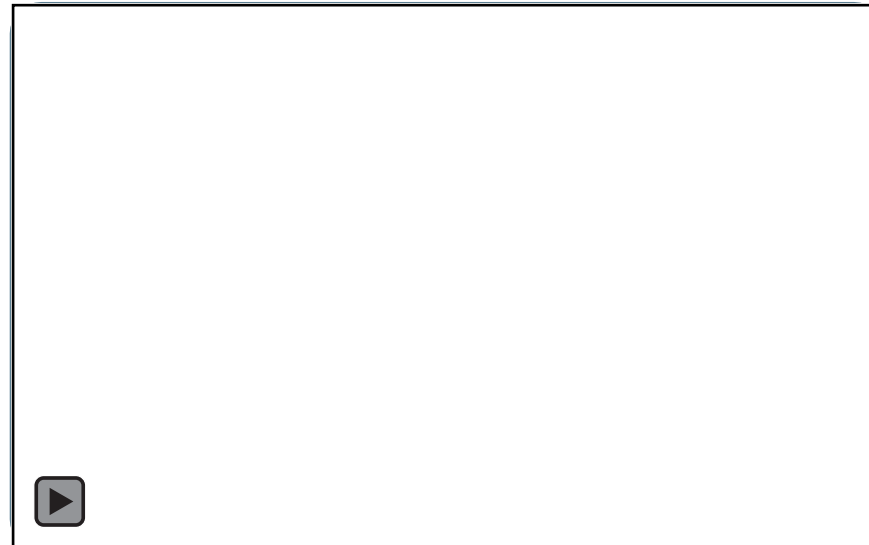
Training and development



Simulations

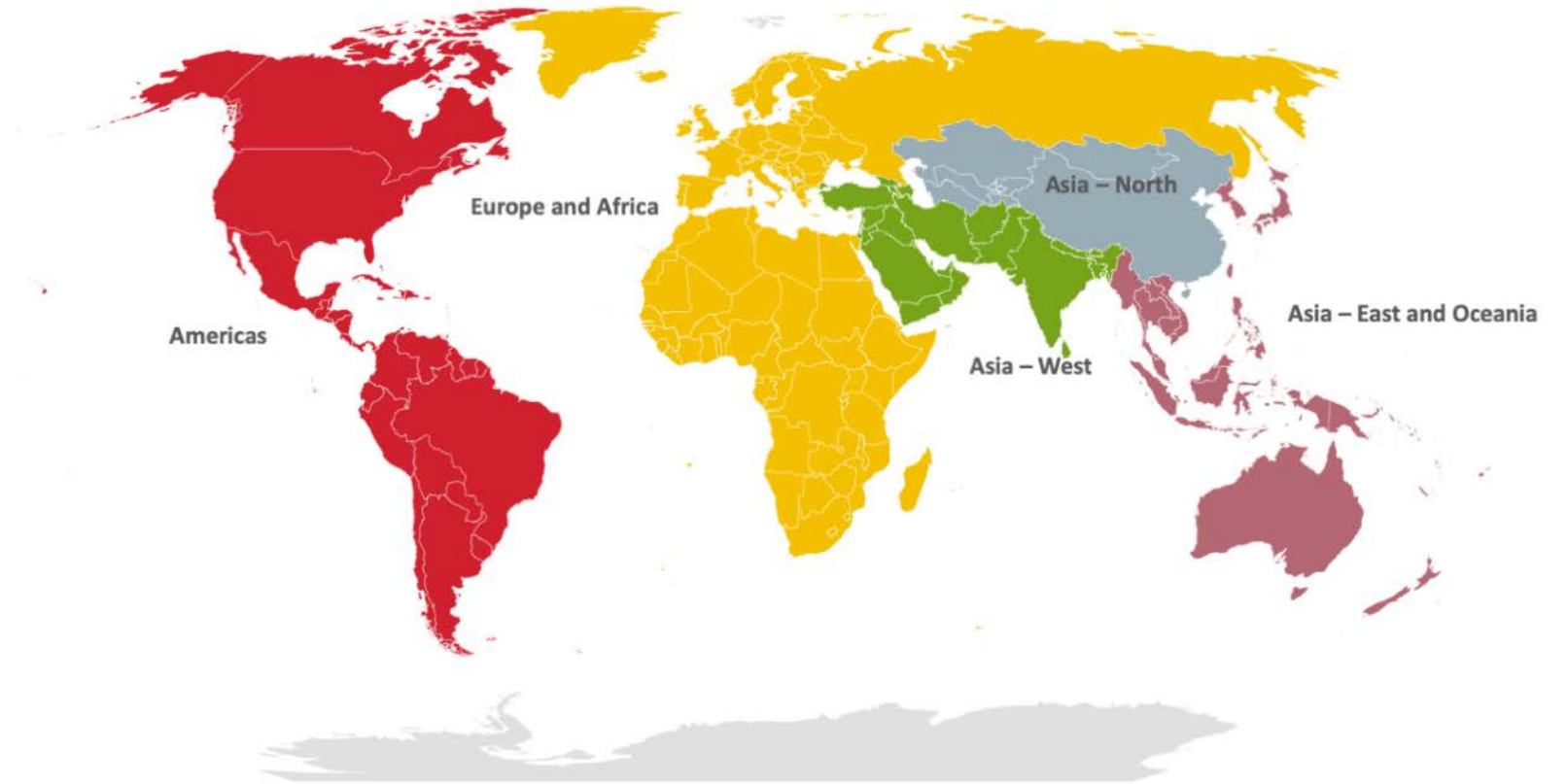


3D interactive models



Regional Championship

- Student and Industry Categories
- 10 Winners
- 5 Regions
- 24hrs



World Championship

There will be 10 qualifiers for the World Championship to be held April 2024 at the time and location of worldsteel's Special General Meeting (SGM). The qualifiers include the student and industry winners in each region.



steelChallenge-17

Results from steelChallenge-17 running on 2022-2023.



steelChallenge
Regional Championship
16 November 2022

📅 Start: 16 November 2022 / End: 17 November 2022
⚙️ Electric Arc Furnace + Secondary Steelmaking integrated simulator

🏢 **75 companies** and
🏛️ **76 universities**
joined steelChallenge-17.



steelChallenge-17 participants should meet carbon footprint requirements for the steel grade.

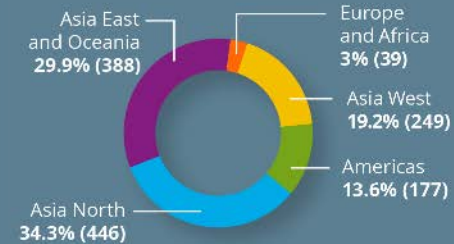


Participants
1,299
👤👤👤👤👤👤👤👤👤👤
49.2% Industry // 50.8% Students



Participants from **27 countries** registered for the challenge.

PARTICIPATION PER REGION



TOP 10 COUNTRIES / REGIONS

🇨🇳 China	446
🇰🇷 South Korea	344
🇮🇳 India	161
🇦🇪 United Arab Emirates	80
🇧🇷 Brazil	76
🇲🇽 Mexico	59
🇦🇷 Argentina	29
🇨🇳 Taiwan, China	27
🇯🇵 Japan	15
🇬🇧 United Kingdom	14

Student Category



Gašper KREK

University of Ljubljana

Student Regional Champion – Europe and Africa



Henry SHINJI JOUTI

Aeronautics Institute of Technology (ITA)

Student Regional Champion – America



Ashutosh PANDA

Havak Nanavati Technical Institute

Student Regional Champion – Asia West



Yu-Wei GUO

National Chung Hsing University

Student Regional Champion – South Asia



Haiqing LIU

Chongqing University of Science and Technology

Student Regional Champion – Asia North



Jae-sung CHOI

Donga-University Champion

Student Outstanding performance

Industry Category



Stefano FEITOZA

Independent Professional
Industry Regional Champion – America



Subhadeep BAKSHI

Management Trainee Technical at Tata Steel Limited
Industry Regional Champion – Asia West



Kwanhyeong KIM

CoanStSteel Making Engineer Manager at POSCO
Industry Regional Champion – Asia East and Oceania



Penglong HAN

Engineer at CoanSteel HBIS Group Co.,L
Industry Regional Champion – Asia North

1st Italian steelChallenge

Danieli sponsor the development of 1st steelChallenge in Italy. The best 3 players will get awards for their performance in the competition.

The competition will be done simultaneously with steelChallenge, using the same simulation and case study.

The Audit process will be done by the audit team of steeluniversity.



Thanks for your attention



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steeluniversity

steeluniversity.org | worldsteel.org | constructsteel.org | worldautosteel.org | issf.org

