









Empowering the Academic Cooperation between Italy and Africa for fostering the quality and effectiveness of the higher education systems in a mutual learning environment

TNE23-00050 - CUP D81124000280007

### **EXTENDED PROGRAMME**

## **Advanced Skills Course**

## **Innovating Higher Education:**

# Strengthening Africa-Italy Collaboration through Joint Pathways for SDGs 2030 and Agenda 2063

Day 1: Monday 15th December 2025

INTERNATIONALIZATION OF HIGHER EDUCATION SYSTEMS IN ITALY AND AFRICA FOR SUSTAINABLE DEVELOPMENT

Place: Palazzo Bettoni Via Gramsci, 17

<u>Morning</u>: Introduction to Italian & African Higher Education Systems and challenges of transnational education

- 9.30 Welcome Coffee & Registration
- 10.00 Institutional Greetings Roberto Ranzi, Corrado Paganelli, Eugenio Cavallo
- 10.15 Introduction to the Winter Course Sabrina Sorlini
- 10.30 Challenges of the Italian Higher Education and the role of the TNE Programmes *Michele Mazzola* (on-line)
- 11.00 Challenges of the African Higher Education and the role of the TNE Programmes *Daniel Duah*
- 11.30 Presentation of Italian Higher Education Systems Valentina Resaz
- 11.50 Presentation of African Higher Education Systems **Sossé Ndiaye**, West Africa; **Benard Mwakisunga**, East Africa
- 12.10 Decolonizing Knowledge and Right Based Perspective to Inclusive Education **Azubike Onuora-Oguno**
- 12.30 Discussion

13.00 - 14.30 Lunch Break











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#### Afternoon: Internationalization of Higher Education Systems in Italy and Africa

- 14.30 Importance of Transnational Education to improve the quality of Higher Education Systems: the UNITAFRICA Project *Sabrina Sorlini*
- 15.00 Internationalization of Higher Education in Italy: the experience of the University of Brescia *Roberto Ranzi*
- 15.30 Connections in PhD programmes Costantino De Angelis

#### 16.00-16.30 Coffee Break

- 16.30 Creating joint degree programmes as a tool to connect Education Systems *Carmen Marchiori*
- 17.00 Students and teaching staff mobilities as a tool to increase connections among Universities *Aiko Terao*
- 17.30 Discussion
- 18.00 Conclusion

#### Day 2: Tuesday 16th December 2025

#### **EDUCATION FOR SUSTAINABLE DEVELOPMENT & TEACHING METHODOLOGIES**

Place: Salone Apollo, Rector's building - Piazza del Mercato 15

#### 9.00 Institutional Greetings

Francesco Castelli, Rector of the University of Brescia

Francesco Tomasini, City Councilor of the Municipality of Brescia

#### Morning: The role of Education in promoting sustainable development

- 9.30 Education for Sustainable Development according to Agenda 2030 Francesco Castelli
- 10.00 Education for Sustainable Development according to Agenda 2063: vision from Africa **Sossé Ndiaye, Daniel Duah**

#### 10.30-11.00 Coffee Break

11.00 Innovation of the Education System: the experience of UNIBS - *Daniela Bosisio*, *Manuela Milani* 

#### Morning – Part 1: Innovative teaching methodologies in class

- 11.30 Innovative teaching methods in class LAB Activity Giampaolo Sabino
- 12.30 Discussion

#### 13.00 – 14.30 Lunch Break











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Place: Club House, Rector's building - Piazza del Mercato 15

#### Afternoon - Part 2: Innovative teaching methodologies online

- 14.30 Digital Classrooms, Global Citizens: Shaping Talent, Equity, and Competitiveness through Virtual Education *Amina Gaye*
- 15.00 Massive Open Online Courses (MOOCs) and science communication: bridging global online learning and classroom education *Fabian Suter*
- 15.30 Potentialities of the PIT in Unitafrica Project and Practical Guide to its use LAB Activity *Marcella Distefano* (online)

#### Afternoon - Part 3: Other innovative teaching methodologies

- 16.30 Applied didactic opportunities Francesca Carbone
- 17.00 Service Learning for Innovative Education Sara Bornatici
- 17.30 Social inclusion and disability: innovative technological education for people with disabilities *Alberto Arenghi, Daniel Duah*
- 17.30 Discussion
- 18.00 Conclusion

#### Day 3: Wednesday Morning 17th December 2025

# THEMATIC MODULE 1: SUSTAINABLE ENVIRONMENT, ENERGY AND NATURAL RESOURCES MANAGEMENT

Place: Aula Riunioni e Seminari Ingegneria - Via Branze 43

Coordinators: Sabrina Sorlini, Mentore Vaccari, Angelo Mazzù

- 9.00 Presentation of Educational offer by Italian and African Universities and the process of its periodical update *Sabrina Sorlini, Hamdiyah Alhassan, Djicknoum Diouf, Angelo Mazzù, Atumane Ussene, etc.* (10 minutes each)
- 10.00 Roundtable/interview on feedback and suggestions from students to improve international education **UNIBS Master/PhD & incoming PhD students**

#### 11.00-11.30 Coffee Break

11.30 Group work and interactive activities for the discussion of possible collaborations among Italian and African Universities in HE (facilitation techniques for optimizing group outcomes) - *Marta Domini* 

#### 13.00 - 14.30 Lunch Break











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#### Day 3: Wednesday Afternoon 17th December 2025

#### THEMATIC MODULE 2: INCLUSIVE BUILDINGS, CITIES AND UNIVERSITIES

Place: Aula Riunioni e Seminari Ingegneria - Via Branze 43 (14.30 – 18.00)

Coordinators: Alberto Arenghi, Barbara Angi

- Inclusive, usable, accessible buildings and cities: why and how teach the importance and the meaning of these topics and concepts (Italian and African approaches)
- Towards inclusive universities: the Italian organization
- Humans-environment co-production
- Discussion and presentation of experiences developed by Italian and African Universities to update the educational offer

#### 16.00-16.30 Coffee Break

- Interaction between the University and the Territory to improve the quality of HE
- Presentation of experiences and case studies on applied education (students' master theses)
- Work group and interactive activities for the discussion of possible collaborations among Italian and African Universities in HE (facilitation techniques for optimizing group outcomes on: needs and priorities in Education on inclusive buildings, possible areas for cooperation and knowledge exchange between Italian and African Universities)

#### Day 4: Thursday Morning 18th December 2025

#### THEMATIC MODULE 3: HEALTH, HYGIENE, ONE HEALTH

Place: Aula Riunioni e Seminari Ingegneria - Via Branze 43

Coordinators: Alberto Matteelli, Donatella Placidi, Gerald Lwande

9:00 Presentation of Educational offer by Italian and African Universities - **Donatella Placidi, Gerald Lwande** 

10:00 Discussion and presentation of experiences developed by Italian and African Universities

- The TropED Course Alberto Matteelli
- The cooperation between Unibs and Rucu (Tanzania) Donatella Placidi
- Universal Health and climate change Gerald Lwande
- Mental health for education Jessica Dagani
- The experience with KNUST University Roberto Ronca
- Education on essential and emergency care in Mozambique Michele Bertoni

#### 11.00-11.30 Coffee Break

11:30 Work group and interaction - application for research interventions

#### 13.00 - 14.30 Lunch Break











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#### Day 4: Thursday Afternoon 18th December 2025

#### THEMATIC MODULE 4: AGRICULTURE IN TRANSITION: PATHWAYS TO SUSTAINABLE SYSTEMS

Place: Aula Riunioni e Seminari Ingegneria - Via Branze 43

Coordinators: Isabella Ghiglieno, Giulia Ferronato

- Courses and Curricula
  - Presentation of Educational offer in Italian/English language by Italian and African Universities, course structure and programmes on key themes: Food security, Sustainable intensification, Impact assessment, Nutrient circularity, Ecosystem regeneration and resilience
  - Comparative discussion of course structures and programmes
     Speakers: Hamdiyah Alhassan, Ousmane Kane
- Educational Offer
  - Discussion and presentation of experiences developed by Italian and African Universities to update the educational offer: evaluation of teaching by students, critical issues identified, new teaching proposals (working groups)
- Stakeholders and Territory
  - Discussion and presentation of experiences developed by Italian and African universities to update the educational offer:
    - Examples from Italian and African Universities on managing relationships with stakeholders
    - Role of stakeholders in shaping Higher Education curricula (e.g., codefinition of course contents in sustainability and transition)
    - Reflection on collaboration models to strengthen the link between the University and the Territory

#### 16.00-16.30 Coffee Break

- Students' Experiences and Opportunities Ousmane Kane (UCAB)
  - Analysis of current trends, challenges, and opportunities for students
    - Case studies on applied education: Internships in private and public companies, Participation in international cooperation projects, Industrial PhDs and professional training, Mobility and exchange programmes abroad
- Open Discussion and Collaboration

Interactive group work to identify common needs and priorities in agricultural education:

- Exploration of possible areas for cooperation and knowledge exchange between Italian and African Universities.
- Discussion on future trends in Higher Education for sustainable agriculture.











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Day 5: Morning CONFERENCE (9.00-13.30) (See detailed programme below)

**EDUCATING GLOBAL CITIZENS FOR A SUSTAINABLE PLANET** 

Place: Aula Magna - Via Branze 38

13.30 - 15.00 Lunch

Afternoon: Free time/Social program

20.00 Closing Dinner











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#### **Speakers**

Bertanza Giorgio Professor, Director DICATAM, University of Brescia (IT)

ianchi Camilla ouncillor for Ecological Transition nvironment, Green Spaces, and nergy Policies, Brescia unicipality (IT) olicies, lity (IT)

Bocca Simone ECS-CUCS, Free University of Bozen (IT)

Bonetti Michele President, Tovini Foundation Brescia (IT)

Collivignarelli Carlo Professor Emeritus, University of Brescia (IT)

(IT)
Duah Daniel
Professor, Kwame Nikrumah
University of Science and
Technology - KNUST (GH)
Fanti Valentina
Office of cooperation and
volunteering, Fondazione Tovini,
Brescia (IT)

Brescia (III)
Gaye Amina
Professor, Amadou Mahtar Mbow
University – UAM Dakar (SN)
Giudici Mauro
Professor, University of Milan (IT)

vagnolo Maria Cristina ofessor, University of Padova

Maternini Giulio Professor, University of Brescia

Mazzù Angelo Professor, University of Brescia (TT)
Mgeni Pius Peter
Financial Controller, Ruaha
Catholic University RUCU (TZ)

Monacelli Nadia Professor, University of Parma

(IT)
Poli Giampietro
Head teacher, lead partner
school for the Rete Ambiente
Sostenibilità, Brescia (IT)

Ranzi Koberto
Professor, University of
Brescia (IT)

Sassi Maria Professor, University of Pavia

(II)
Scalvenzi Michele
Secretary and external relations
manager, Fondazione Cogeme,
Brescia (IT)

Sorlini Sabrina Professor, Director of CeTAmb, DICATAM, University of Brescia

(IT)
Tarozzi Massimo
Professor, holder of the
UNESCO Chair in global
citizenship education, Univ
of Bologna (IT) Tira Maurizio Professor, President Fondazione UNIBS, University of Brescia (IT) Valentino Roberto Professor, University of Parma

Vittori Luca PhD student, collaborator of the UNESCO Chair in global citizenship education, University of Bologna (IT) Education for sustainable development and education for global citizenship have emerged as vital responses to today's global realities. These cross-cutting educational approaches aim to equip people with the knowledge, skills, values, and attitudes needed to make informed decisions and take action on local and global challenges, fostering a sense of interconnectedness and responsibility towards the environment, the economy, and society. The congress will explore these themes through Italian and African perspectives, with the goal of bridging distances, deepening mutual understanding, and promoting a world where people feel connected across cultures. Education for Sustainable Development and Education for Global Citizenship go beyond traditional disciplines, embracing critical thinking, socio-emotional learning, and active participation in building a more peaceful, tolerant, and sustainable world.

#### GETTING THERE

By car Highway A4 Milano-Venezia: exit "Brescia Ovest" and follow indications to "stadio" or "ospedale" (North direction). Park in Via Triumplina or Via Branze.

By train

stop at "Europa" then see the map



Organizing Secretariat

GREGORIO Elisa, PEZZATO Maria, TONELINI Carmencita

email: cetamb@unibs.it



#### **XXII International Conference**

#### Educating global citizens for a sustainable planet

December 19th, 2025

Coordinator Sabrina Sorlini

Aula Magna di Ingegneria Via Branze, 38 - Brescia



#### **AULA MAGNA PARALLEL SESSIONS** PLENARY SESSION (Ita) SESSION I (Ita) - AULA MAGNA SESSION II (Eng) - AULA CONSILIARE Global citizenship education: one Young change-makers for sustainable Synergy in higher education curricula planet, many connections development in Italian and African Universities: experiences from TNE partners Coordinators: Coordinators: Angelo Mazzù, Amina Gaye Carlo Collivignarelli, Giulio Maternini Giampietro Poli, Michele Scalvenzi The role of TNE UNITAFRICA project in enhancing the synergies in higher education systems Sabrina Sorlini 8:30 Registration 11:00 Presentation of the student winners of "Bando Mattei" How TNE projects have become a driving 9:00 Welcome addresses 11:15 Experiences of high school force for co-supervision of PhD students Nadia Monacelli, Roberto Valentino . Camilla Bianchi students Giorgio Bertanza Experiences from KNUST University (Ghana) Daniel Duah Istituto (TBC) 11:45 Roberto Ranzi Maurizio Tira 11:30 Young students and researchers An example of a long-term relationship and 9:15 Introduction mutual exchange with universities and the local community in Yaoundé Maria Cristina Lavagnolo working on development Sabrina Sorlini cooperation projects 9:30 Global citizenship education Graduates, PhDs 12:15 Innovation and resilience: reimagining higher . Massimiliano Tarozzi Luca Vittori education in African crisis-affected context Maria Sassi 11:45 Discussion The experience of the Early Career Scholars CUCS network African Union Agenda 2063: 12:30 Valentina Fanti education for sustainability Pius Peter Maeni Nicola D'Alberton, Marta Domini 10:10 Awards "Bando Mattei" 12:30 Conclusion An experience of interactive teaching with 12:45 international students to improve transversal skills Mauro Giudici Awards "Bando CeTAmb" Angelo Gallizioli Don Roberto Lombardi 13:00 Strengthening academic bridges opportunities and challenges in the collaboration between Somali and Italian universities Mukhtar Mohamed 10:30 Coffee break 13:15 Discussion and conclusion











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List of speakers Alhassan Hamdiyah, University for Development Studies, Ghana Angi Barbara, Università degli Studi di Brescia, Italy Arenghi Alberto, Università degli Studi di Brescia, Italy Bertoni Michele, Università degli Studi di Brescia, Italy Bornatici Sara, Università degli Studi di Brescia, Italy Bosisio Daniela, Università degli Studi di Brescia, Italy Carbone Francesca, Università degli Studi di Brescia, Italy Castelli Francesco, Magnifico Rettore, Università degli Studi di Brescia, Italy Cavallo Eugenio, Scientific officer of the Italian Embassy in Dakar, Senegal De Angelis Costantino, Università degli Studi di Brescia, Italy Diouf Djicknoum, Université Gaston Berger de Saint-Louis du Sénégal, Senegal Distefano Marcella, Università degli Studi di Messina, Italy Domini Marta, Università degli Studi di Messina, Italy Duah Daniel, Kwame Nkrumah University of Science and Technology, Ghana Ferronato Giulia, Università degli Studi di Brescia, Italy Gaye Amina, Université Amadou Mahtar Mbow, Senegal Ghiglieno Isabella, Università degli Studi di Brescia, Italy Dagani Jessica, Università degli Studi di Brescia, Italy Kane Ousmane, Universite Cheikh Ahmadou Bamba, Senegal

Lwande Gerald, Moi University, Kenya Manzoni Federico, Vicesindaco, Comune di Brescia, Italy

Marchiori Carmen, Università degli Studi di Brescia, Italy

Matteelli Alberto, Università degli Studi di Brescia, Italy

Mazzola Michele, Italian Ministry of Universities and Research

Mazzù Angelo, Università degli Studi di Brescia, Italy

Milani Manuela, Università degli Studi di Brescia, Italy

Mgeni Pius, Ruaha Catholic University, Tanzania

Mukhtar Sh Mohamed Ahmed, Somali National University, Somalia

Mwakisunga Benard, Ruaha Catholic University, Tanzania

Ndiaye Sossé, Université Cheikh Anta Diop de Dakar, Senegal

Onuora-Oguno Azubike, University of Ilorin, Nigeria

Paganelli Corrado, Università degli Studi di Brescia, Italy

Parisio Vera, Università degli Studi di Brescia, Italy

Pasetti Marco, Università degli Studi di Brescia, Italy

Placidi Donatella, Università degli Studi di Brescia, Italy

Ranzi Roberto, Università degli Studi di Brescia, Italy

Ronca Roberto, Università degli Studi di Brescia, Italy

Resaz Valentina, Università degli Studi di Brescia, Italy

Rinaldi Stefano, Università degli Studi di Brescia, Italy

Sabino Giampaolo, Università degli Studi di Brescia, Italy

Sorlini Sabrina, Università degli Studi di Brescia, Italy

Suter Fabian, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

Terao Aiko, Università degli Studi di Brescia, Italy

Ussene Atumane, Universidade Save, Mozambique

Vaccari Mentore, Università degli Studi di Brescia

Speakers for the last day of the Course: see the flyer at page 7











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## **Syllabus**

	Jyliabus
Course	Innovating Higher Education: Strengthening Africa-Italy Collaboration through Joint Pathways for SDGs 2030 and Agenda 2063
Organizing Institutions	University of Brescia (UNIBS, Organizing University) Co-organizing Universities: Amadou Mahtar Mbow University (UAM, Dakar, Senegal) Cheikh Ahmadou Bamba University (UCAB, Dakar, Senegal) Cheikh Anta Diop University (UCAD, Dakar, Senegal) Kwame Nkrumah University of Science and Technology (KNUST, Kumasi, Ghana) Moi University (Moi, Eldoret, Kenya) Ruaha Catholic University (RUCU, Iringa, Tanzania) Somali National University, Somalia (SNU, Mogadishu, Somalia) Université Gaston Berger de Saint-Louis du Sénégal (UGB, Saint Louis, Senegal) University for Development Studies (Tamale, Ghana) University of Ilorin (Unilorin, Ilorin, Nigeria) Universidade Save (Unisave, Maputo, Mozambique)
Target participants	African, Italian and European professors, researchers
	General Objective:  This advanced skills course aims to strengthen Africa–Italy collaboration in higher education to support sustainable development through internationalization, innovation, and
	inclusive academic practices aligned with SDG 2030 and Agenda 2063.
Objectives of the course	·
Objectives of the course (max 150 words)	2063.











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	health and agriculture to showcase applied educational practices, internships, community engagement and cooperation projects;  • exploring the potential of transnational education, including student and staff mobility, joint and double degree programs, and shared PhD paths.  The course also focuses on strengthening innovative and inclusive teaching methodologies (e.g blended learning, MOOCs, Metaverse, digital tools, learning-by-doing approaches).  Overall, the course encourages the joint development of high-quality academic programs and research initiatives, fostering long-term academic and institutional ties between Italy and Africa within a global sustainability framework.
Strategic thematic area	STRATEGIC THEMATIC AREAS
	A. Rural development, land management, agrifood and food supply chains;
	B. Health, water and hygiene, One Health;
	C. Sustainable Energy, environment and natural resource management;
	D. Entrepreneurial and industrial development for local prosperity;
	E. Cultural heritage and sustainable tourism;
	F. Social Sciences and Humanities.
	The course will also cover the transversal area of Ecological transition and digitalization
	Agenda 2030 SDGs: 3-4-5-6-10-11-15-16-17
	Agenda 2063: 1-2-3-5-6-8-18-19
Abstract (max 300 words)	This advanced training course focuses on the internationalization of higher education systems in Italy and Africa as a strategic driver for sustainable development. It brings together academic professional, and stakeholders to examine and strengthen collaborative practices between the two regions.











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	The course provides a comprehensive overview of current challenges faced by higher education institutions, such as brain drain, unequal access, demographic shifts, and limited mobility. It highlights how transnational education (TNE) and joint academic initiatives can contribute to improve the quality, accessibility, and global relevance of higher education.
	The course is structured into 4 thematic modules covering environment/energy, architecture and inclusive building, health and agriculture. These modules aim to connect academic knowledge with territorial needs and foster collaboration between universities and external stakeholders, including public institutions, private companies, and civil society.
	Through interactive workshops, group work, and presentations of successful case studies, participants will gain practical tools for designing joint educational offers and research projects. The program also promotes mutual understanding of the structural and cultural characteristics of African and Italian academic systems, laying the foundation for long-term institutional partnerships.
	Ultimately, the course supports the development of a shared vision for international education that is equitable, resilient, and responsive to global challenges. It empowers participants to become active contributors in building inclusive, high-quality higher education systems aligned with sustainable development priorities in both African and Italian/EU contexts.  Follow-up activities will be pursued (e.g., online community, publication of proceedings, seed grants for pilot projects).
Period	15-19 December 2025
Place	University of Brescia (Italy)
Teaching delivery mode	In person  Platform for innovative teaching: online connection to the meeting will be provided for days 1 and 2, including the final CeTAmb conference on day 5.











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	Online connection will be guaranteed
Language	English
Final test	A certificate of attendance will be provided to all the participants which attend full full-time and in presence the course.
	The final evaluation is based on project work and presentation.
How to apply	Identification of the participants based on CV & experience among the Universities with an active MoU with Unibs
	Sabrina Sorlini unitafrica@unibs.it
Contacts	Gianluca Di Rosario unitafrica@unibs.it
	Carmencita Tonelini unitafrica@unibs.it