



United Nations  
Educational, Scientific and  
Cultural Organization



UNESCO Chair on Training and Empowering  
Human Resources for Health Development  
in Resource-Limited Countries  
University of Brescia



UNIVERSITÀ  
DEGLI STUDI  
DI BRESCIA

# Sustainable Development Goals at the University of Brescia, Italy

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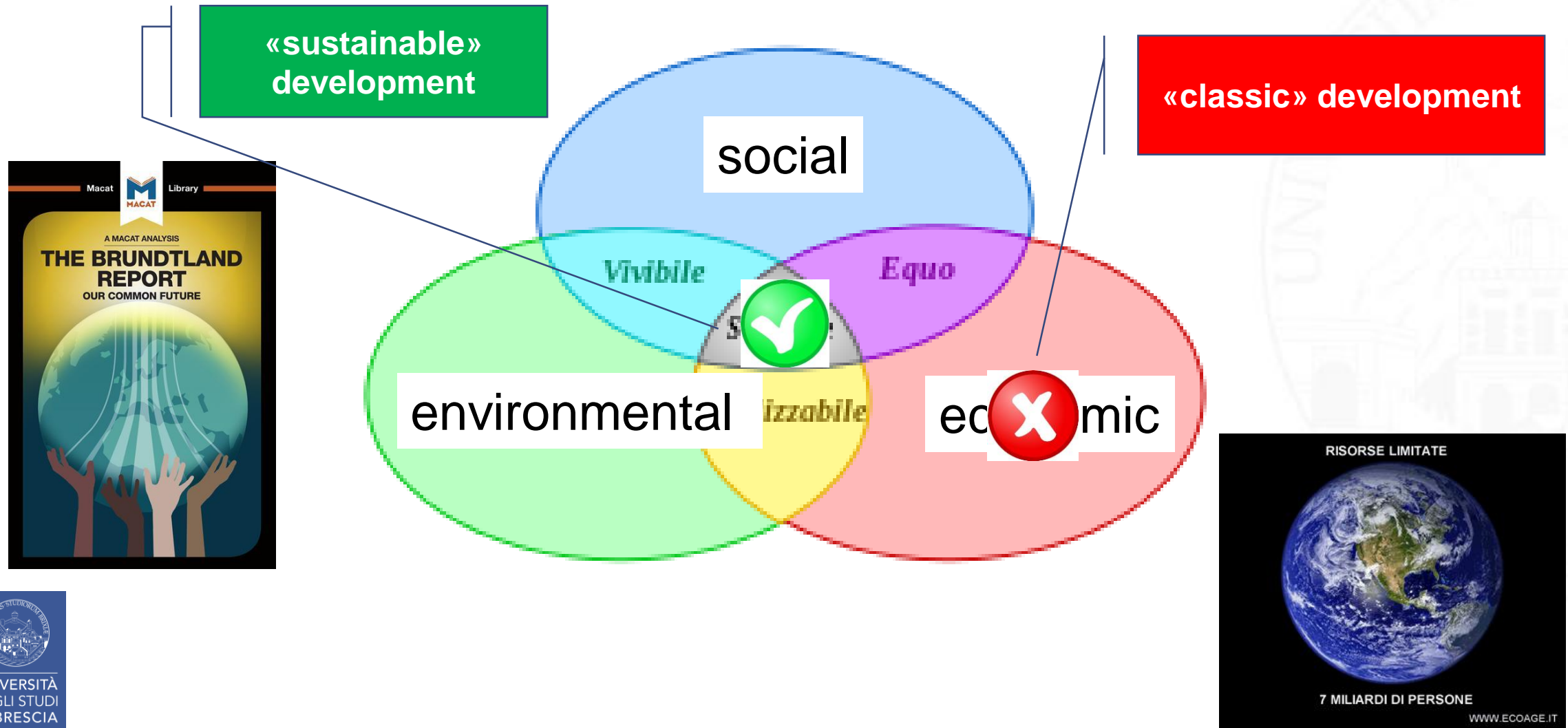
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University of Brescia (Italy)

# Economics, Equity, Environment (3 «Es»)



# unibs sostenibile



## Energy and emissions

1. Reduce consumes by 1%/year
2. Reduce emissions by 1.5%/year

## Nature and ecology

1. Enlarge University green areas by 1%/year
2. Reduce per capita waste by 25%

## Mobility

1. Reduce use of personal cars to reach the University campus
2. Make green campus areas safer

## Health

1. Ban smoke from university areas
2. Eliminate access barriers
3. Promote physical exercise

## University buildings

1. Make University buildings a healthier place to live and work

## Culture and research

1. Promote environmental research
2. Inventoriate SDG research activities
3. Create new didactic activities focuses on sustainable development



# Educational periodical activities on SDGs addressed to the academic community and the population of Brescia



<http://sostenibile.unibs.it/agenda-2030/>

# Degree *ad honorem* in Green Economy and Sustainability to Prof. Jeffrey Sachs

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# Research Centre for 2030 Sustainable Development Agenda University of Brescia

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**ADAMELLO, 19/20 LUGLIO 2019**

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- Promote research
- Promote awareness
- Promote education



Una salita sul Ghiacciaio dell'Adamello per firmare una dichiarazione, la “Carta dell'Adamello”, che impegna le Università, il Club Alpino Italiano e le altre istituzioni aderenti all'iniziativa a combattere il riscaldamento globale formando studenti, promuovendo ricerche finalizzate allo sviluppo sostenibile del nostro pianeta e sensibilizzando i cittadini.

## Meaning of SGDs for the University of Brescia at the doctoral level in the long term

- Brescia is one of the capitals of the industrialization in Europe

| RANK | CODE  | NUTS-3                      | % value added in industry | % persons employed in industry | Persons employed in industry (thousands) | Value added in industry per person employed | Total value added in industry (EUR million) |
|------|-------|-----------------------------|---------------------------|--------------------------------|--|---|---|
| 1    | ITC47 | Brescia                     | 30,7%                     | 31,1%                          | 167,7                                    | 60.268                                      | 10.106,9                                    |
| 2    | ITC46 | Bergamo                     | 34,1%                     | 34,3%                          | 156,3                                    | 62.254                                      | 9.730,3                                     |
| 3    | DE913 | Wolfsburg, Kreisfreie Stadt | 73,2%                     | 47,8%                          | 55,6                                     | 155.315                                     | 8.635,5                                     |
| 4    | ITH32 | Vicenza                     | 35,4%                     | 38,3%                          | 161,8                                    | 53.259                                      | 8.617,3                                     |
| 5    | DE112 | Böblingen                   | 50,2%                     | 34,1%                          | 72,4                                     | 106.086                                     | 7.680,6                                     |
| 6    | ITC4D | Monza e della Brianza       | 32,1%                     | 32,6%                          | 114,1                                    | 65.555                                      | 7.479,8                                     |

- Brescia has a high foreign-borne population rate ( $\approx 14\%$ )
- Brescia has been involved with international cooperation for development (mainly, but not exclusively, faith-based) for more than 1 century
  - *leave no one behind!*

## Meaning of SGDs for the University of Brescia at the doctoral level

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- The University of Brescia has a close relationship with its reference territory:
  - ✓ The General Hospital of Brescia is one of the major reference hospital in Italy (**Medicine**);
  - ✓ The Court of Brescia is reference for the Milan area (**Law**);
  - ✓ The rich industrial background of the Brescia Province requires technical, managerial (**Engineering**) and economic (**Business and Administration**) skills;
- These 4 specific expertise areas are highly coherent with most of the Sustainable Development Goals:
  - ✓ Technology
  - ✓ Energy
  - ✓ Health
  - ✓ Human rights and equity
  - ✓ Economy, working conditions
  - ✓ Environment

The societal dimension of doctoral education

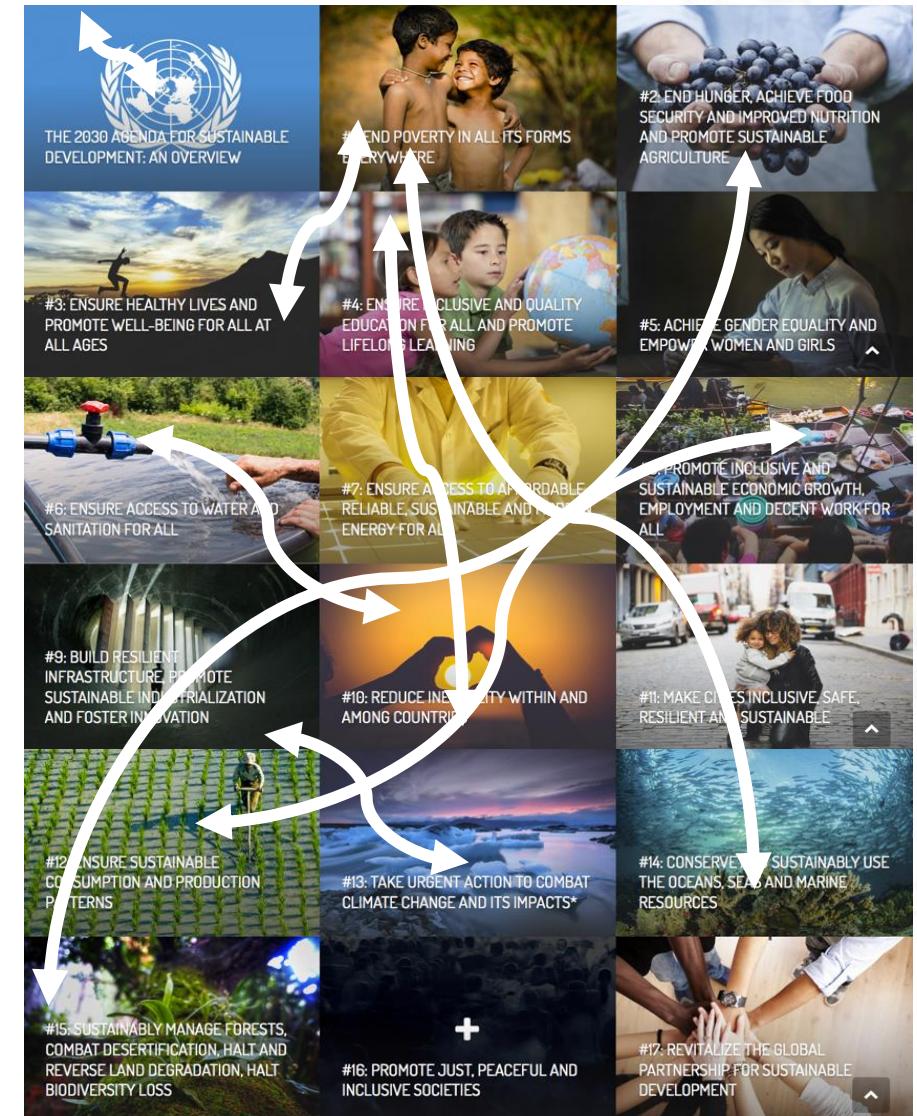


## To what degree could doctoral schools and early career researchers benefit of dealing with the SDG?

- Think globally, act locally ...
- Enlarge thinking in an intersectoral evolving scenario. From vertical to interconnected
- International research funding opportunities will be driven by SDGs in the future;

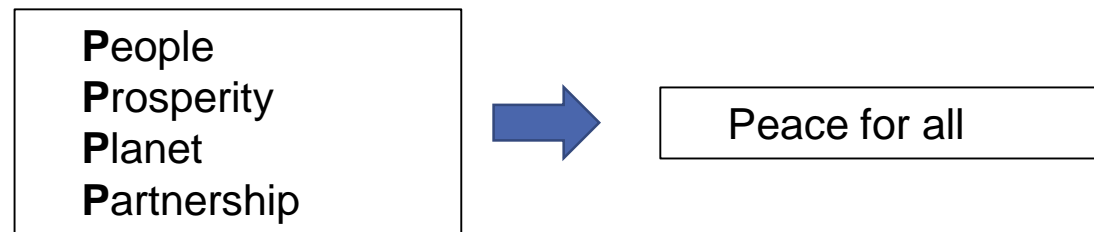
*... and the other way round...*

- Long-term benefit in the progress of science from SDG-oriented young researcher in the interest of the «common good»...



Switch focus from «personal» career to ....

... ethics of contributing to a «common good» for a better world



## What are the opportunities for new or strengthened forms of global collaboration related to the SDGs?

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- Common scientific «language» with common directions and long-term goals (European collaboration, ERASMUS, etc.)
- New technologies for development (focus also on North-South collaboration). («Technology» is not an enemy for SDGs, on the contrary...)
- Ethics and accountability in research approach
- Collaboration between areas (Engineering-Medicine / Engineering – Business, Business-Medicine, Law-Medicine....) to better understand and share problems and solutions
- Growing awareness of being *accountable* actors for the society → *Leave no one behind*

## How can doctoral education contribute to increase the number of highly trained professionals in Developing Countries and what can be the role of Europe?

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- **PhD training, a double sided coin for professionals in developing countries**

- ✓ Global role of the northern academic system to promote research and «development» in the south
- ✓ Brain drain if no local rewarding opportunity is created
- ✓ «Sandwich» PhD programs?

**Academic medicine and global health responsibilities**

*Academic medicine can contribute in four ways*

BMJ VOLUME 329 2 OCTOBER 2004 bmj.com

- **University of Brescia**

- ✓ Collaborative agreements with many Universities in developing countries (Addis Ababa, Maputo, Kumasi, Hanoi, Dakar, etc....)
- ✓ PhD opportunities (University funding, Ministry Foreign Affairs funding)
- ✓ UNESCO Chair



An increasing number of Universities try to become sustainable - incl. limiting flights for conferences, etc.  
What does this mean for ECRs who are in need to strengthen their global network?

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- Create awareness of ecological footprint in the academic community
- Paperless/plasticless conferences
- Short face to face encounters will become less and less
- New communication technologies may help (not overwhelming...)
- Early career researchers – possible research topic...





## General Assembly

Distr.: General  
21 October 2015

Seventieth session  
Agenda items 15 and 116

### Resolution adopted by the General Assembly on 25 September 2015

[without reference to a Main Committee (A/70/L.1)]

#### 70/1. Transforming our world: the 2030 Agenda for Sustainable Development

2. On behalf of the peoples we serve, we have adopted a historic decision on a comprehensive, far-reaching and people-centred set of universal and transformative Goals and targets. We commit ourselves to working tirelessly for the full implementation of this Agenda by 2030. We recognize that eradicating poverty in all its forms and dimensions, including extreme poverty, is the greatest global challenge and an indispensable requirement for sustainable development. We are committed to achieving sustainable development in its three dimensions – economic, social and environmental – in a balanced and integrated manner. We will also build upon the achievements of the Millennium Development Goals and seek to address their unfinished business.

52. “We the peoples” are the celebrated opening words of the Charter of the United Nations. It is “we the peoples” who are embarking today on the road to 2030. Our journey will involve Governments as well as parliaments, the United Nations system and other international institutions, local authorities, indigenous peoples, civil society, business and the private sector, the scientific and academic community – and all people. Millions have already engaged with, and will own, this Agenda. It is an Agenda of the people, by the people and for the people – and this, we believe, will ensure its success.

53. The future of humanity and of our planet lies in our hands. It lies also in the hands of today’s younger generation who will pass the torch to future generations. We have mapped the road to sustainable development; it will be for all of us to ensure that the journey is successful and its gains irreversible.