### TITLE OF THE CHAIR

*Training and empowering human resources for health development in resource-limited countries*

### HOST INSTITUTION

**University of Brescia, Italy**  
**Website:** [https://www.unibs.it/ricerca/unesco-chair-cattedra-unesco](https://www.unibs.it/ricerca/unesco-chair-cattedra-unesco)

### DATE OF ESTABLISHMENT OF CHAIR

- Signature of the agreement is dated March 2014  
- Renewed on July 11th, 2018 (letter signed by Dr Peter Wells) for the period 2018-2022

### PERIOD OF ACTIVITY UNDER REPORT

January – December 2018

### REPORT ESTABLISHED BY

**Prof. Francesco CASTELLI – Chairholder**
1. EXECUTIVE SUMMARY

Major outcomes, results and impact of the Chair, including on national policies, in relation to its objectives as stated in article 2 of the chair agreement (between the institution and UNESCO) (not exceeding 300 word)

During the year 2018 the UNESCO Chair “Training and empowering human resources for health development in resource-limited countries” of the University of Brescia (thereafter defined as “the Chair”) has continued its activities as initially scheduled. In particular the following activities have been carried out and are briefly summarized below:

A) Education/training/research

- Undegraduate training and awareness-raising activities for medical students and NGOs staff was teached in 5 different modules in the period april-june 2018;
- Stages of undergraduate medical students from the University of Brescia in developing countries:
  a. Following an official agreement with Makerere University, undergraduate medical students from the University of Brescia have spent 1 month in Kampala at Mulago Hospital to get familiar with clinical and organizational problems in the tropics
- Graduate training in global health (TropEd Course and Master in Global Health):
  a. The Graduate Course in Global Health has taken place at the University of Brescia from February 12th to May 28th, 2018). A scholarship program for physicians from developing countries has been funded by the Chair
  b. The Master in Tropical Medicine and Global Health, co-organized by the Universities of Florence and Brescia, has delivered 60 credits in the Academic Year 2017-18
- Promoting the culture of Sustainability (Sustainable Development Goals – UN 2030 Agenda):
  a. In 2018, the Chair has continued the cycle of seminars dedicated to each of the Sustainable Development Goals, open to the academic staff, students and the general population. Following the organization of the seminars dedicated to SDGs 1 to 5 in 2017, the following events were organized at the Teatro Grande in Brescia in 2018: SDG n. 6 (February 5th, 2018), SDG n. 7 (March 9th, 2018), SDG n. 8 (April 5th, 2018), SDG n. 9 (April 26th, 2018), SDG n. 10 (May 11th, 2018), SDG n. 11 (September 24th, 2018), SDG n. 12 (October 8th, 2018) and SDG n. 13 (December 4th, 2018).
- The Chair has co-organized, together with the UNESCO Chair on Education for human development and solidarity among peoples (Catholic University) and the UNESCO Chair on Human rights and ethics of international co-operation (University of Bergamo) the Summer School on Education to International Co-operation (Formazione alla Co-operazione Internazionale) held in Brescia on September 3-7, 2018
- The following research has been conducted by the Chair staff (see list of publications), with
specific reference to:

- Topic: Migration Medicine
  a. Drivers of migration
  b. Migration health (infectious diseases, non-communicable diseases, access to care)
- Topic: Health in developing countries
  a. Gender malaria in Ghana
  b. Feasibility of outreach delivery of primary care and HIV treatment in Mozambique

B) Conferences/meetings

- A meeting with the UNESCO associated Schools operating in the Provinces of Brescia, Bergamo, Cremona and Mantova has been organized by the Chair, together with the UNESCO Chair on *Education for human development and solidarity among peoples* (Catholic University) and the UNESCO Chair on *Human rights and ethics of international co-operation* (University of Bergamo) on November 6th, 2018. The meeting was intended to organize training activities for teachers of the UNESCO associated Schools to be performed in 2019.
- The Chair has actively participated at the International Symposium of the Italian UNESCO Chairs (CONIUS) *Human Rights and Sustainable Development Goals 2030* held in Florence on November 16th, 2018.
- The Chair has co-organized, on behalf of the University of Brescia, the International Conference on Migration Health of the International Society of Travel Medicine (ISTM), held in Rome on December 1-3, 2018.
- The Chair has officially participated (and granted official auspice) to the conference South of the Mediterranean sea. Welcoming beyond sea limit (*A Sud del Mediterraneo. L’accoglienza oltre I confini del mare*), organized by the University of Genoa on October 16th, 2018.

C) Interuniversity exchanges/partnerships

- The Chair has been included by the Italian Commission for UNESCO, together with other 10 Italian UNESCO Chairs, in the first Group named “Cultural identity, Migration, Human Rights and Health” (CONIUS), that has been very active in 2018, promoting meetings and issuing a statement.
- The Chair has operated, together with the UNESCO Chair on *Education for human development and solidarity among peoples* (Catholic University) and the UNESCO Chair on *Human rights and ethics of international co-operation* (University of Bergamo) to implement the project “Education and social work in Tanzania and Cambodia” (*Educazione e lavoro sociale in Tanzania e Cambogia*), funded by the G. Tovini Foundation. After students’ and teachers’ exchange between Tanzania and Cambodia in 2018, the project will end with the visit of the delegations (teachers and students) from Tanzania (Ruaha University, Iringa) and Cambodia (St Paul Institute, Takeo) to Bergamo and Brescia next March-April 2019.
- The following official agreements have been signed with Universities from developing countries:
  a. Kwame N’Kruimah University of Science and Technology (KNUST, Kumasi, Ghana) (signed
b. Catholic University of Addis Abeba (Ethiopia) (renewal signed April 26th, 2018)

D) Publication/multimedia materials

- Many research articles were published and many lectures were presented by the Chairholder, mainly focusing on international cooperation, training and migration issues. See complete list below.
- The Chair has participated in the conception and writing of the book Migrations and intercultural challenges (Migrazioni e sfide interculturale) edited by Prof. G. Mari with the support of 4 Italian Foundations (“G. Tovini” Foundation, SIPEC Foundation, Museke Foundation and ASM Foundation).

E) Others

- A special group of Italian UNESCO Chairs has been created under the auspices of the Italian UNESCO Commission (CONIUS: Cultural Identity, Immigration, Human rights and Health; Identità culturale, Immigrazione, Diritti umani e Salute), including 11 UNESCO Chairs from different Italian Universities. On December 14th, 2018, the CONIUS UNESCO Chair group issued a statement that is attached to this Report.
- The University of Brescia, under the auspices of the Chair, has granted the Laurea honoris causa in Green economy and sustainability to Prof. Jeffrey Sachs from the University of Columbia (USA), an inspiring leader of the UN 2030 Agenda.
- A Press Conference has been organized at the University of Brescia Headquarters on July 31st, 2018, with the presence of the Rector, to announce the renewal of the Chair for the period 2018-22.
2. ACTIVITIES

Overview of activities undertaken by the chair during the reporting period

<table>
<thead>
<tr>
<th>a) Education/training/research</th>
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<tbody>
<tr>
<td>I) EDUCATION (LEADING TO CERTIFICATE)</td>
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<td>II) TRAINING (SHORT TERM)</td>
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</table>
III) RESEARCH

The Brescia UNESCO Chair carries out research in the following fields:
- Migration medicine
- Poverty-related diseases including TB, malaria and HIV/AIDS
- International health
- Capacity building

See box 2.D.II for the list of scientific publications by the Chairholder Prof. Francesco Castelli

b) Conferences/Meetings

I) KEY CONFERENCES AND WORKSHOPS HOSTED BY THE CHAIR

The Chair has co-organized, together with the UNESCO Chairs on Education for human development and solidarity among peoples (Catholic University) and on Human rights and ethics of international co-operation (University of Bergamo) the Summer School on “Education to International Co-operation” (Formazione alla Co-operazione Internazionale) held in Brescia on September 3-7, 2018. The Course has been funded by the Fondazione Tovini (Brescia), Fondazione Museke (Brescia) and Fondazione Chizzolini (Bergamo). The Course has been attended by more than 30 persons, mainly young, interested to International Cooperation. The program of the Summer School is attached (Annex 2)

The Chair has promoted and organized an ambitious cycle of lectures on Sustainable Development Goals, held at the Teatro Grande of Brescia and targeted to the academic community as well as to the general population of the town, presenting each of the Sustainable Development Goals of the 2030 Agenda of the United Nations. Each Lecture has been delivered by a recognized national/international expert and has been introduced by the Chairholder Prof. F. Castelli and by an academic staff from the University of Brescia (see Annex 3)

After the first 5 events had been organized in 2017, the Lectures devoted to SDGs 6 to 13 have been carried out in 2018 according to the following schedule

- **SDG 6: Clean water and sanitation**
  Date: February 5th, 2018
  Invited Guest: Prof. C. Zurbruegg (Zurich)
  Host: Prof. S. Sorlini and F. Donato (University of Brescia)
- **SDG 7: Affordable and clean energy**  
  Date: March 9th, 2018  
  Invited Guest: Prof. C. Zurbruegg (Zurich)  
  Host: Prof. S. Sorlini and F. Donato (University of Brescia)

- **SDG 8: Decent work and economic growth**  
  Date: April 5th, 2018  
  Invited Guest: Prof. E. Giovannini (Former Italian Minister of Labor, Rome)  
  Host: Prof. ML Parisi (University of Brescia)

- **SDG 9: Industry, innovation and infrastructure**  
  Date: April, 26th, 2018  
  Invited Guest: Dr G. Milani (ENI, Milan)  
  Host: Prof. D. Bianchini and S. Vergalli (University of Brescia)

- **SDG 10: Reduced inequalities**  
  Date: May, 11th, 2018  
  Invited Guest: Dr R. Barbieri (OXFAM, Milan)  
  Host: Prof. R. Miniaci (University of Brescia)

- **SDG 11: Sustainable cities and communities**  
  Date: September 24th, 2018  
  Invited Guest: Prof. R. Yaro (USA)  
  Host: Prof. M. Tira (Rector of the University of Brescia)

- **SDG 12: Responsible production and consumption**  
  Date: October 8th, 2018  
  Invited Guest: Prof. F. Sottile (Palermo)  
  Host: Prof. A. Tencati (University of Brescia)

- **SDG 13: Climate action**  
  Date: December 4th, 2018  
  Invited Guest: Prof. F. Giorgi (Trieste)  
  Host: Prof. R. ranzi and Prof. G. Grossi (University of Brescia)

The cycle has continued in 2019 and will be closed by the last event on the 22nd of May 2018, where also Mrs Stefania Gianni, UNESCO ADG for Education, has been invited (confirmation pending)
The calendar and the videos of all the events are available on the website of the University of Brescia and the UNESCO Chair of Brescia at the link: https://www.unibs.it/ateneo/vita-dell-ateneo/seminars-sustainable-development-goals

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<tr>
<th>OTHER CONFERENCES/ORGANIZATIONAL ACTIVITIES UNDERTAKEN BY THE CHAIRHOLDER</th>
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</table>
| • A meeting with the UNESCO associated Schools operating in the Provinces of Brescia, Bergamo, Cremona and Mantova has been organized by the Chair, together with the UNESCO Chair on *Education for human development and solidarity among peoples* (Catholic University) and the UNESCO Chair on *Human rights and ethics of international co-operation* (University of Bergamo) on November 6th, 2018. The meeting was intended to organize training activities for teachers of the UNESCO associated Schools to be performed in 2019. The proposal is intended to provide UNESCO Schools teachers with key elements to plan projects and activities with their students on the following topics:
  o Migration (keywords: determinants of migration, impact on the origin and receiving countries, integration in host societies with particular reference to Europe and Italy)
  o Sustainable Development Goals (keywords: UN 2030 Agenda, sustainability, economy, environment and equity, individual contribution to sustainability)
  o Re-thinking education (keyword: analysis of the UNESCO document, recently translated into Italian by one of the promoting UNESCO Chairs)
Each topic will be taken in charge by one of the collaborating UNESCO Chairs, by organizing a specific training event with the interested teachers from the UNESCO affiliated schools, as follows:
  a. UNESCO Chair on Training and empowering human resources for health development in resource-limited Countries (University of Brescia) → MIGRATION
  b. UNESCO Chair on *Human rights and ethics of international co-operation* (University of Bergamo) → SUSTAINABLE DEVELOPMENT GOALS
  c. UNESCO Chair on *Education for human development and solidarity among peoples* (Catholic University) → RE-THINKING EDUCATION

It is our goal to stimulate projects to be presented in a later event by students themselves. Besides the document “Re-thinking education”, the recent publication “Migration and intercultural challenge” (*Migrazioni e sfide interculturali*), recently published (2017) with the concept contribution of the Brescia UNESCO Chair, will also be adopted.
• The **International Conference on Migration Health** (ICMH) has been organized in Rome (1-3 October 2018) by the International Society of Travel Medicine and relevant partners, including the International Organization for Migration (IOM) and the World Health Organization (WHO). More than 300 people have participated from all over the world. Prof. Francesco Castelli has acted as the Local Organizing Committee Chair and the University of Brescia and the Chair are also listed among the partners of the Conference

• The Chair has actively participated at the International Symposium of the Italian UNESCO Chairs (CONIUS) **Human Rights and Sustainable Development Goals 2030** held in Florence on November 16th, 2018

• The Chair has officially participated (and granted official auspice) to the conference **South of the Mediterranean Sea. Welcoming beyond sea borders** *(A Sud del Mediterraneo. L’accoglienza oltre i confini del mare)*, organized by the University of Genoa on October 16th, 2018 (Programme attached as Annex 4)

### III) A SELECTION OF CONFERENCE PRESENTATIONS BY THE CHAIRHOLDER AND OTHER COLLEAGUES

(Complete view, Notes: only presentations relevant to the chair’s mission are reported)

<table>
<thead>
<tr>
<th>Lecturer</th>
<th>Title (in the language the lecture has been delivered)</th>
<th>Congress/conference</th>
<th>Venue, date</th>
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<tbody>
<tr>
<td>Francesco CASTELLI</td>
<td>Salute e povertà in Africa</td>
<td>Conference of the University College “Santa Caterina”</td>
<td>University of Pavia, January 15th, 2018</td>
</tr>
<tr>
<td>Francesco CASTELLI</td>
<td>In attesa dei vaccini in fila sotto il baobab</td>
<td>UniVax Day, organized by the Italian Society of Clinical Immunology and Allergology (SIICA)</td>
<td>University of Brescia, February 11th, 2018</td>
</tr>
<tr>
<td>Francesco CASTELLI</td>
<td>Medici (personale sanitario) in campo. L’incontro con l’altro</td>
<td>Meeting promoted by the students’ Association “Inoltre”</td>
<td>University of Brescia, March 7th, 2018</td>
</tr>
<tr>
<td>Francesco CASTELLI</td>
<td>HIV/AIDS: il panorama internazionale della epidemia</td>
<td>Lecture at the Interuniversity Master in Tropical Medicine and Global Health</td>
<td>University of Florence, March 13th, 2018</td>
</tr>
<tr>
<td>Francesco CASTELLI</td>
<td>I determinanti del fenomeno migratorio</td>
<td>Meeting organized by the Unione Giornalisti Italiani Scientifci (UGIS)</td>
<td>Brescia, April 16th, 2018</td>
</tr>
<tr>
<td>Francesco CASTELLI</td>
<td>I determinanti delle migrazioni .... ... le migrazioni come determinante di salute</td>
<td>Opening Lecture of the National Congress of the Italian Society of Migration Medicine (SIMM)</td>
<td>Catania, April 18th, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>How to design refugee and migrant healthcare services upon and after arrival?</td>
<td>28th Congress of the European Society of Clinical Microbiology and Infectious Diseases (ECCMID)</td>
<td>Madrid, April 21st-24th, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>L’infezione da HIV a 30 anni dalla prima diagnosi: dalle categorie a rischio ai comportamenti a rischio</td>
<td>Congress “Le Malattie Trasmesse Sessualmente: non solo HIV”, organized by the Local Health Authority of Brescia</td>
<td>Brescia, May 30th, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Sviluppo sostenibile e cooperazione. Il ruolo del partenariato universitario e la sfida dello sviluppo sanitario</td>
<td>Festival dello Sviluppo Sostenibile</td>
<td>University of Pavia, May 31st, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Malaria di importazione: manifestazioni cliniche e terapia</td>
<td>Conference “SORVEGLIANZA DELLA MALARIA IN ITALIA: CRITICITA’ E PROSPETTIVE”</td>
<td>Roma, National Institute of Health, June 6–7th, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Malaria Eradication. Successes and Challenges</td>
<td>XXX National Congress of the Italian Society of Parasitology (SOIPA)</td>
<td>University of Milan, June 26-28th, 2018</td>
</tr>
<tr>
<td>Francesco CASTELLI</td>
<td>La malaria grave: una emergenza medica</td>
<td>XXI Advanced Course: “Patogenesi, diagnosi e terapia della infezione-malattia da HBV, HCV, HIV”</td>
<td>Pavia, June 27-28th, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Access to health and how to do it inclusively</td>
<td>International Conference on Migration Health, organized by the International Society of Travel Medicine (ISTM)</td>
<td>Hotel Ergife, Rome, October 1-3, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Prendersi cura delle povertà</td>
<td>Conference “Le povertà, lo sviluppo sostenibile, le tecnologie. Formazione, giovani, adattamento climatico”, organized by the</td>
<td>Catholic University of the Sacred Heart, Brescia, October 10-</td>
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<tr>
<td>Name</td>
<td>Title</td>
<td>Conference/Meeting</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Migrazioni e accoglienza. Dei diritti e delle responsabilità Quale cooperazione all’epoca delle grandi migrazioni?</td>
<td>Conference “A SUD DEL MEDITERRANEO L’accoglienza oltre i confini del mare “</td>
<td>University of Genoa, October 16th, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Health impact assessment and mitigation multidisciplinary approach. The role of Universities</td>
<td>ASPEN Conference: Climate change = economic change</td>
<td>Milan, October 26th, 2018</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>National immunization program in rural area of Mozambique. Evaluation of immunization coverage rates in child population accessed to a health service</td>
<td>Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the University of Florence</td>
<td>University of Florence, November 16th, 2018</td>
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<tr>
<td>Agnese COMELLI</td>
<td>Retention in care of newly diagnosed HIV patients. Similarities and differences among Italian heath system and mobile-TARV strategy in Morrumbene, Mozambique</td>
<td>Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the University of Florence</td>
<td>University of Florence, November 16th, 2018</td>
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<tr>
<td>Virginia QUARESIMA</td>
<td>Is Plasmodium falciparum malaria incidence and severity</td>
<td>Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the University of Florence</td>
<td>University of Florence, November 16th, 2018</td>
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<td>Name</td>
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<tr>
<td>Valentina MARCHESE</td>
<td>in holo-endemic areas influenced by gender?</td>
<td>1, organized by the University of Florence</td>
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<td>Addressing tuberculosis in vulnerable populations in Europe: the EDETECT-TB project and its activities in Brescia</td>
<td>Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the University of Florence</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>I nuovi flussi migratori ed il rischio infettivo</td>
<td>XVII National Congress of the Italian Society for Infectious and Tropical Diseases (SIMIT) – Opening Lecture</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Salute, sviluppo e globalizzazione</td>
<td>Training Course in “Tropical Medicine”, Medicus Mundi Italia</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Malattie da vettori: quali prospettive di immunizzazione?</td>
<td>Course on Vaccinology, organized by the University of Ferrara</td>
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<tr>
<td>Francesco CASTELLI</td>
<td>Da Alma Ata al Sustainable Development Goal n. 3</td>
<td>15° Convegno “Obiettivi di Sviluppo Sostenibile in campo ambientale”</td>
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### c) Interuniversity exchanges/partnerships

(Principals exchanges/partnerships between the chair and other institutions, including UNESCO chairs/UNITWIN networks)

During 2018, many exchanges have been held with other UNESCO Chairs, UNESCO Headquarters and International Institutions:

- In 2018, the Italian UNESCO Commission has decided to split the Italian UNESCO Chairs into 3 groups, according to their mission and mandate. The UNESCO Chair “Training and empowering human resources for health development in resource-limited countries” of the University of Brescia has been included in the first Group, named “Cultural identity, migration, human rights and health” together with other 10 Italian UNESCO Chairs. The list of the Italian UNESCO Chairs included in this specific group follows:
  1. “Sviluppo Umano e Cultura di Pace” (University of Florence, Prof. P. Orefice)
2. “Sovranità e cooperazioni” (University of Bergamo, Prof. S. Gandolfi)
3. "Training and empowering human resources for health development in resource-limited countries“ (University of Brescia, Prof. F. Castelli)
4. “Bioetica e Diritti Umani” (Ateneo Pontificio Regina Apostolorum, Prof. Alberto G. Garcia)
5. "Antropologia della Salute-Biosfera e Sistemi di Cura" (University of Genoa, Prof. A. Guerci)
6. “Popolazione, Migrazioni e Sviluppo” (University of Rome, Prof. R. Cagiano de Azevedo)
7. “Social and Spatial Integration of International Migrants: urban policies and practices” (IUAV University, Florence)
8. “Cultural and Comparative Studies on Imaginary” IULM University, Prof. P. Proietti)
9. “Pace, Sviluppo Culturale e Politiche Culturali” (Int.l Institute Jacques Maritain, Rome)
10. “Diritti umani democrazia e pace” (University of Padua, Prof. M. Mascia)
11. Cattedra UNESCO "Pluralismo religioso e la pace" (University of Bologna, Prof. A. Melloni)

A number of meeting have been held together with the Chairs of the group. Of particular interest the meeting held in Florence on the 16 of November and in Rome on the 14th of December. During the meeting, all the Chairs had the opportunity to exchange their research activities and results and to issue a statement that is attached as Annex 5 to this Report

- The Chair has actively interacted with the UNESCO Chair “Human Rights and Ethics of International Cooperation”, University of Bergamo. In particular, the Chairs have signed an agreement to implement the three-year project “Education and Social Work in Tanzania and Cambodia” in partnership with the Ruaha Catholic University of Iringa (Tanzania), the S. Paul institute of Takeo (Cambodia) and the Royal University of Phnom Penh (Cambodia). The project is having fruitful results and will have its end at the end of March 2019, when the delegations of students and teacher from Iringa and Takeo will visit the Chairs and the Universities of Brescia and Bergamo to wrap-up and discuss the overall results of the project

- The Brescia UNESCO Chair actively interacted with the WHO Collaborating Centre (WHO-CC) on “TB/HIV joint activities and TB elimination strategy” (headed by Prof. Alberto Matteelli) which is hosted by the same Department at the University of Brescia.

- In 2018, the UNESCO Chair Education for human development and solidarity among peoples has also been established at the Catholic University of the Sacred Heart (Brescia, Chairholder Prof. Domenico Simeone). Many interactions have taken place between our two Chairs, namely:
  - Joint planning of a training program for teachers of the UNESCO affiliated schools of the provinces on Brescia, Bergamo, Mantova and Cremona
  - Participation of the Chairholder Prof. F. Castelli to the launching event of the UNESCO Chair Education for human development and solidarity among peoples, that took place in Brescia on January 18th, 2019
  - Participation of the Chairholder Prof. F. Castelli to the Scientific Committee of the UNESCO Chair Education for human development and solidarity among peoples.
**d) Publications/Multimedia Materials**

(Major publications and teaching/learning materials)

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Give details of major publications and materials including full citations

**i) THESES (2016)**

**Thesis for medical students**

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<tr>
<th>TITLE</th>
<th>SUPERVISOR</th>
<th>STUDENT</th>
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<tbody>
<tr>
<td>Epidemiologia e risposta viro-immunologica alla terapia antiretrovirale di prima linea di una coorte di pazienti con infezione da HIV di sottotipo Non-B; esperienza delle malattie infettive degli ospedali Civili di Brescia</td>
<td>Prof. F. Castelli</td>
<td>Francesco Invernici</td>
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<tr>
<td>Caratteristiche cliniche, viro-immunologiche e terapeutiche in pazienti con infezione da HIV a trasmissione verticale</td>
<td>Prof. F. Castelli</td>
<td>Davide Filippini</td>
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<tr>
<td>Impatto dei nuovi farmaci ad azione antivirale diretta (DAAs) su qualità di vita e su performance neurocognitive nei pazienti con infezione cronica da HCV. Studio prospettico osservazionale.</td>
<td>Prof. F. Castelli</td>
<td>Sara Volpi</td>
</tr>
<tr>
<td>La malaria di importazione nel paziente pediatrico: la casistica di Brescia.</td>
<td>Prof. F. Castelli</td>
<td>Agnese Fanetti Zamboni</td>
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<tr>
<td>Differenze di genere nella gestione cronica dell’infezione da HIV.</td>
<td>Prof. F. Castelli</td>
<td>Andrea Piazzoli</td>
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<tr>
<td>Monitoraggio epidemiologico e outcome clinico delle infezioni del torrente circulatorio: studio osservazionale prospettico.</td>
<td>Prof. F. Castelli</td>
<td>Chiara Bolcato</td>
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<tr>
<td>Prevalenza delle patologie tiroidee nel paziente con infezione da HIV</td>
<td>Prof. M.Eugenio Quiros Roldan (co-supervisor: Prof. Francesco Castelli)</td>
<td>Tommaso Della Giustina</td>
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<tr>
<td>Tasso di completamento del trattamento dell’infezione tubercolare latente nei richiedenti asilo e analisi delle cause di interruzione.</td>
<td>Prof. Alberto Matteelli (co-supervisor: Prof. Francesco Castelli)</td>
<td>Ester Lovato</td>
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**Thesis for specializing physicians (Infectious Diseases and Tropical Medicine/Public Health)**

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<tr>
<th><strong>TITLE</strong></th>
<th><strong>SUPERVISOR</strong></th>
<th><strong>PHYSICIAN IN TRAINING</strong></th>
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<tr>
<td>Diagnostic stewardship nel paziente critico: analisi retrospettiva di un modello di risk stratification e multi-level management</td>
<td>Prof. F. Castelli</td>
<td>Dott. Davide Mangioni</td>
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<tr>
<td>Screening della malattia tubercolare e dell’infezione tubercolare latente nei richiedenti asilo a Brescia: accesso, aderenza e completamento del percorso diagnosticoterapeutico</td>
<td>Prof. F. Castelli</td>
<td>Dott. Paola Zanotti</td>
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<tr>
<th><strong>II) PUBLICATIONS</strong> (all the 2018 publications of the Brescia UNESCO Chairholder are listed in the box, many of whom many not have the UNESCO Chair affiliation mentioned. Only Books’ chapters</th>
<th><strong>Authors</strong></th>
<th><strong>Title of the Chapter</strong></th>
<th><strong>Title of the Book</strong></th>
<th><strong>Publisher</strong></th>
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Peer-reviewed journal articles by the Chairholder


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<tr>
<th></th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Year</th>
<th>Volume</th>
<th>Pages</th>
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**Abstracts in Conference Proceedings (International only) by the Chairholder**

1. Lapadula G, Bernasconi DP, Bai F, Di Biagio A, Focà E, Bonora S, Castelli F, Viscoli C, Bandera A, d’Arminio Monforte A, Gori A. *No change in neurocognitive function after switching from efavirenz to rilpivirine, Conference on Retroviruses and Opportunistic Infections (CROI), Boston, 4-7 March 2018*


11. Marchese V., Grigis S., Polesini I., Rossi B., Pezzoli C., Bonera G., Castelli F., Matteelli A. Barriers for the Completion of Latent Tuberculosis Infection Screening in Asylum Seekers, Northern Italy. International Conference on Migration Health, Rome, 1-3 October 2018, PO10.02

**e) Cooperation with UNESCO Headquarters, Field Offices**

The Brescia UNESCO Chair had contacts with the Division of Science Policy and Capacity-Building, and with the Section of Higher Education at UNESCO Headquarters in Paris.

**f) Other**

(any other activity to report)

- The *Laurea honoris causa* in Green economy and sustainability has been granted by the University of Brescia, under the auspices of the UNESCO Chair, to Prof. Jeffrey Sachs, UN Secretary counsellor and inspiring leader of the UN 2030 Agenda on sustainability.

- The Chair, together with the UNESCO Chair on *Education for human development and solidarity among peoples* (Catholic University) and the UNESCO Chair on *Human rights and ethics of international co-operation* (University of Bergamo) has worked to plan joint activities with the UNESCO affiliated schools operating in the Provinces of Brescia, Bergamo, Cremona and Mantova. The first meeting took place on November 6th, 2018, with the aim to plan an education cycle of workshops with the schools’ teachers with ultimate goal of creating awareness on three key topics:
  - Migration (keywords: determinants of migration, impact on the origin and receiving countries, integration in host societies with particular reference to Europe and Italy)
  - Sustainable Development Goals (keywords: UN 2030 Agenda, sustainability, economy, environment and equity, individual contribution to sustainability)
  - Re-thinking education (keyword: analysis of the UNESCO document, recently translated into Italian by one of the promoting UNESCO Chairs)

It is our goal to stimulate projects to be presented in a later event by students themselves. Besides the document “Re-thinking education”, the recent publication “Migration and intercultural challenge” (*Migrazioni e sfide interculturali*), recently published (2017) with the concept contribution of the Brescia UNESCO Chair, will also be adopted.
3. FUTURE PLANS AND DEVELOPMENT PROSPECTS

Outline of action plan for the next biennium and short/medium and long-term development prospects. Please, do not hesitate to refer to difficulties that the Chair has experienced (not exceeding 300 word).

During the first 6 years of activity, the UNESCO Chair has pursued in particular training and advocacy objectives in Italy. These activities have contributed to a higher visibility of UNESCO in our area and the global challenges to reach the Sustainable Development Goals. We intend to continue with these activities and in particular:

- to continue the undergraduate training in Tropical Medicine and Global Health;
- to continue the post-graduate training in Tropical Medicine and Global Health (Core Course of the TropEd Master in International Health);
- to continue the scholarship program to allow young physicians from resource-poor countries to attend the Core-course of the TropEd master in international health in Brescia;
- To continue the fellowship program for Medical students of the University of Brescia at Makerere University, Kampala, Uganda
- to continue organizing the Course on International Cooperation, together with UNESCO Chairs on “Human rights and ethics of international cooperation” (Bergamo) and on Education for human development and solidarity among peoples (Catholic University), funded by the Tovini and Museke Foundations (Brescia) and the Associazione V. Chizzolini (Bergamo).
- to finish the cycle of workshops dedicated to the Sustainable Development Goals. In particular, the workshops dedicated to SDG n. 14, 15, 16 and 17 are already planned and will be completed by May 2019

Furthermore, we would like to extend our training and scientific activities by:

- finalizing and completing the training program on (i) migration, (ii) sustainable development goals and (iii) UNESCO document “rethinking education to the benefit of the teachers of the UNESCO Schools operating in the Provinces of Brescia, Bergamo, Mantova and Cremona, together with UNESCO Chairs on “Human rights and ethics of international cooperation” (Bergamo) and on Education for human development and solidarity among peoples (Catholic University);
- Further implementing the research on malaria and gender in Africa, in collaboration with the University of Kumasi and HopeXchange Medical Center in Kumasi, Ghana
- Although the medical training program at the Universidade Pedagogica of Maputo has been halted
for organizational reasons by the Universidade Pedagogica itself, discussion is underway to provide support to the Nursing School of the same University.

- starting collaborative teaching activities with the Catholic University in Addis Abeba (Ethiopia)
- strengthening collaborations with the UNESCO chairs in Lubljiana (Slovenia) and Tessaloniki (Greece) with the final aim to organize a summer school on “water related disasters”
Appendix:

1) Human resources

The following staff of the University of Brescia have contributed to the UNESCO Chair achievements:

1) at the School of Medicine
   - prof. Francesco Castelli, professor of infectious diseases, Chairholder, University of Brescia
   - prof. Alberto Matteelli, associate professor of infectious diseases and director, WHO collaborating Centre on “TB/HIV joint activities and TB elimination strategies”, University of Brescia
   - dr Silvio Caligaris, head, unit for tropical diseases, Spedali Civili general hospital, Brescia
   - dr Lina R. Tomasoni, unit for tropical diseases, Spedali Civili general hospital, Brescia
   - dr Virginia Quaresima, PhD doctorate students in methodologies and appropriate techniques for international cooperation for development

2) at the School of Engineering
   - prof. Sabrina Sorlini, associate professor of health engineering, university of Brescia
   - Prof. Roberto Ranzi, professor of hydraulics and Rector’s Delegate for International Affairs

It is our intention to formally establish an international Chair Scientific Committee in 2019, to gain input from many international experts and institutions.
2) Financial resources

<table>
<thead>
<tr>
<th>Source of Financial Contribution</th>
<th>Amount ($)</th>
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<tr>
<td>HOST INSTITUTION</td>
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<td>PARTNER INSTITUTION</td>
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<tr>
<td>GOVERNMENT BODY</td>
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<td>OTHER PUBLIC INSTITUTION/BODY</td>
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<tr>
<td>(including research councils)</td>
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<tr>
<td>UNESCO</td>
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<tr>
<td>OTHER UN AGENCIES</td>
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<td>IGO</td>
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<td>NGO</td>
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<tr>
<td>INDUSTRY</td>
<td></td>
</tr>
<tr>
<td>OTHER PRIVATE</td>
<td>X 5,400 €</td>
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NOTE: pertinent to 2018 only

At the end of the year 2017, the Brescia UNESCO Chairs’ fund was **54,699,72 euros**

During the year 2018, the donation received was:
- **Private donation – Proloco Mompiano 5,400,00 euros**

During the year 2018, the following expenses were done:
- **Mission to Rome (Prof. F. Castelli):** 539,46 euros
- **Mission to Ghana (Prof. F. Castelli):** 1,133,78 euros
- **Mission to Ghana (Dr V. Quaresima):** 2,683,22 euros
- **Mission to Florence (Dr V. Quaresima):** 65,10 euros
- **Mission to Florence (Dr A. Comelli):** 37,30 euros
Totaling: 4,458,86 euros

At the end of 2018, the balance is then **55,640,86 euros**