Joint capacity building
in biomedical higher education
through adopting international academic standards and
transferring technology between
European and Vietnam universities (2016-2019)
Programme ERASMUS+
ERASMUS+, Key Action 2, Capacity Building in the field of Higher Education, Call for proposals 2015

Subject area „Health“ (Category A priority in Asia, Category B priorities are also addressed: Learning and Teaching Tools, Multidisciplinary)

736 applications submitted

653 considered eligible

147 have been selected for funding (19.9%), incl „EDUSHARE“
Previous cooperation

1) 2012-2013 „Improvement of Health Care Human Resource in Da Nang “(SIDA) support health care professionals in Vietnam by contributing to the preparation of the teaching staff for the planned upgrade of the National Technical College of Medicine No 2 to a University. 129 specialists and experts were directly involved from European-side (4 pre-clinical and 12 clinical specialties).

2) 2012-2015 „EVMED“ (ERF, Estonian government)

improve competitiveness and cooperation between research and development institutions in 11 different fields in medicine but also researchers’ opportunities for participation in international initiatives in Estonia and in Vietnam.

3) 2014-2015 „DIOXMED“ (ERF, Estonian government)

increase awareness of the effects of dioxins as the cause of increasing environmental pollution problems in people’s everyday lives (developmental disorders, infertility and others), in veterinary research and the environment.
Previous cooperation

Over 1.7 million euros to improve health workers

The Da Nang-based Medical College, and Sweden’s Scandinavian Care and Scanbalt Academy have signed an MoU to implement the 1.7 million euro Improving Skills for Da Nang’s Health Workers project in 2012 and 2013.

As part of the program, the foreign partners will help improve the professional skills of lecturers at the College, which will be upgraded to a university. The training courses will include surgical skills, community health, cardiology and odontology.

Signing the MoU to improve health care workers in Da Nang
EU:
1) University of Tartu (EE)
2) University of Greifswald (DE)
3) Karolinska Institutet (SE)
   (nr 38 „World University Rankings“)
4) University of Essex (GB)

Vietnam:
1) Hue University of Medicine and Pharmacy
   (nr 1 in medical universities in Vietnam,
    nr 5 in Top Universities in Vietnam, nr 350 in Asia)
2) Hanoi Medical University (nr 2 in medical universities in Vietnam)
3) Hanoi University of Pharmacy (nr 3 in medical universities in Vietnam)
4) Danang University of Medical Technology and Pharmacy

4 HEIs from EU = 4 HEIs from Vietnam
Vietnamese medical education faces several challenges:

- There is no conducted research on the quality of teachers/lecturers;
- There is no compulsory training program for teachers;
- There is no comprehensive project on training of trainers, including international support project;
- Better teachers prefer working at bigger schools in Hanoi and HCM city (33% of all professors and associate professors);
- Some schools have no or just one or two professors;
- There is no regular budget for upgrading teaching and technical equipment.
- There are only 1.2 medical doctors per 1000 inhabitants, while the EU average is 3.3 (http://data.worldbank.org)
- The country has eight physicians per 10,000 people, but the majority is concentrated in urban areas where only 35% of the population lives. In the 62 poorest districts, the local healthcare network lacks 600 physicians, and more than 30% of communes are without a physician (http://blogs.worldbank.org).
- By 2020 at least 90% university lecturers and 70% college lecturers have postgraduate degree; 75% university lecturer and 20% college lecturer have PhD degree; 50% of secondary medicine school teachers have postgraduate degree.
Why Hue?

“The Master Plan for Economic-Social Development of Key Economic Areas (Hue, Da Nang, Quang Nam, Quang Ngai and Binh Dinh) for the Central of Vietnam in 2020” (Prime Minister's decision 1874/QĐ-TTg, dated 13 Oct 2014), list of priority programs and projects invested by 2020:

a. Development and capacity building for training at Medical, Pharmaceutical Universities and Research Institutes in the Region. Upgrading Hue University of Medicine and Pharmacy to become the key University in the Region;

b. Develop Da Nang and Hue to become specialized medical centers of the Central Region;

c. Promote qualified human resource (developing resources associated with application of science and advanced technology and the medical network to meet the market demand)

“Vietnam Development Strategies of Science and Technology 2011-2020” (Prime Minister's decision 418/QĐ-TTg, dated 11 Apr 2012), priorities in development strategies of science and technology:

a. Improve national biotechnology to high level via research and development of key areas: gene technology, cell technology, micro-biotechnology, enzyme-protein technology, bio-informatic technology;

b. Contribute to the development of bio-industry to become a high-tech economic sector and economy growth.
EDUSHARE (2016-2019)

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The project works with the PhD students who will be future teachers in HEI by improving their competences.

No other similar PhD programs are available in Vietnam. Program is based on international partners, is mixture from different European academic institutions and involves new specialty for Vietnam.

Program involves specific training for entrepreneurial skills what involves management, governance and innovation modules.
Expertise and competences within the consortium are related to the project activities accordingly:

1) **Jointly delivered interdisciplinary PhD** - UT has the competency of accomplishing the PhD programme that is already been realized in Estonia (according to the principles of Bologna directives); Hue has the decisive-making power and the competency to run the activities in Vietnam.

2) **Jointly delivered intensive training courses** (UT, Greifswald, Essex and Karolinska Universities are skilled at innovative teaching tools and new methodologies etc).

3) **Initiatives of research projects** (UT, Greifswald, Essex and Karolinska Universities are experienced at international research cooperation and own network of valuable contacts).

4) **Entrepreneurship support** comes from UMG, ScanBalt and Globar HR Partner who are on daily bases working in private sector and meeting the needs of enterpreneurs.
Project activities will lead European partners to:

- **broadening portfolio** of interdisciplinary and innovative training programs, opening courses for global training market;

- **strengthening Europe as an important research area** in different fields of Medicine, but also offers subsequent prestige, opportunities and recognition;

- **improving global network** of professional academic contacts to implement Genomic Medicine for personalized approach, perform clinical trials and improve practical training skills in Vietnamese and Vietnam hospitals;

- **improving entrepreneurial opportunities** in healthcare technology, introducing our knowhow and services to the rapidly growing ASEAN (The Association of Southeast Asian Nations) markets;

**Eligible costs**

- Staff costs (40%), travel costs/costs of stay + subcontracting costs (10%), equipment costs (30%)
Long term perspectives

- At least 50 faculty members receive training
- 1 PhD program in Molecular Medicine implemented
- 20 PhD students enrolled
- Multiple partnerships are formed
- At least 2 collaborative research proposals
- Roadmaps implemented, upgrades made
- 10% of enrollees are from abroad

Additional options

Erasmus+ KA1 „Learning Mobility of Individuals“ – 2 Feb 2018/2019/2020

Erasmus+ KA2 „Capacity Building in the Field of Higher Education“ – 9/10 Feb 2018/2019/2020

Thank you!

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