

Baltic Fracture Competence and Collaboration Hub

FACTS

Programme

Interreg Baltic Sea Region

Call

Extension Stage 1st call

Priority

Capacity for collaboration

Objective

1.1. Research and innovation infrastructures. To enhance market uptake of innovation based on improved capacity of research and innovation infrastructures and their users

Budget

1.000.000 €

Project Start

01/08/2019

Duration

18 months

Project partners

- **Lead partner:** Lithuanian University of Health Sciences, Lithuania
- Akademie der Unfallchirurgie, Germany
- Universitätsklinikum Schleswig-Holstein, Germany
- Life Science Nord, Germany
- University Hospital in Krakow, Poland

Specific needs to be addressed by BFCC_{HUB}

The urgency to bring new products to the market, to use new technology and to establish new processes is increasing rather than decreasing. Innovations must provide solutions to unsolved medical issues and an aging society. For this purpose, excellent implementation-oriented research infrastructures are indispensable. The extension stage of the regular BFCC project, the BFCC_{HUB}, will increase the implementation-oriented research and innovation potential as well as the application-oriented strengthening of research, technological development and innovation. It is important to further develop the structures created in the regular project in a sustainable and intelligent way - towards an implementation-oriented system geared to the application and dissemination of solutions.

The overall aim of the BFCC_{HUB} is to improve, consolidate and expand collaboration and innovation between actors in fracture management in the BSR. Therefore a collaboration centre for fracture management and a data transfer centre in the BSR is to be set up and develop as part of the BFCC_{HUB}. All partners who are involved are working in fracture management (e.g. Implant-related infection control, diagnostics, complications) and partial solutions (e.g. data base for fracture registries) in order to pave the way for innovations in the health sector.

It is the common need of all partners to increase the speed and efficiency of the innovation process and to establish sustainable links between experts to secure knowledge exchange. Through the definition of innovation barriers and success factors from the regular project and through an intensive exchange of knowledge between the partners who are involved, the BFCC_{HUB} is dedicated to the consolidation, intensification and sustainability of cooperation between actors from medical research and industry. Furthermore, the aim is to expand the database of the transnational fracture register, to improve and automate IT-solutions, to win new partners and to establish innovations through marketable products. The BFCC_{HUB} offers a unique opportunity to concentrate competences and knowledge within the Collaboration Centre, which will lead to an increased speed and quality of innovation in the BSR region. The BFCC_{HUB} will take up the results of the regular project and develop them systematically. The realisation of the collaboration centre and the data transfer centre will be implemented and evaluated in pilot. The results will be incorporated into a coordinated strategy for the Baltic Sea region in order to facilitate cooperation and innovation in the long-term perspective.

Contact

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BFCC_{HUB} Work packages

WP 1: Project management

WP 2: Collaboration Centre – Sustainability, Innovation and Improvement

The overall aim of this WP is to improve, consolidate and expand collaboration and innovation between actors in fracture management in the BSR. Therefore a collaboration centre for fracture management in the BSR is to be set up and develop (as one part of the BFCC_{HUB}).

GoA 2.1: Collaboration service centre (Mandatory regulations & Guidelines)

Defining standards and services to increase collaboration especially with the transnational use and exchange of data in the BSR.

GoA 2.2: Collaboration innovation centre (Marketplace & Platform)

Make collaboration innovative: This means to develop and implement, new ideas, new events, new online infrastructure (web platform) for know-how exchange to: foster future cooperation projects between health science and industry

GoA 2.3: Collaboration community centre (Network, Clusters & Acquisition)

The overall aim of the collaboration community centre is to improve collaboration. This means to intensify the collaboration network activities (e.g. network meetings, symposiums, advisory board meetings), to broadening the community (e.g. network partner acquisition) and to establishment of working units.

WP 3: Data transfer centre

At the beginning, the Work package (WP) evaluates the clinical and technical approaches of the running fracture registry in comparison to other current high-end methods to assemble large data in a hospital context. WP 3 is intended to facilitate data transfer from data entry to data output between industry and hospitals and thus further optimize the IT-infrastructure for data exchange. With artificial intelligence and big data automatization in mind, the register will be further developed and optimized.

GoA 3.1: Further development of the registry to an Open Data Registry

The overall aim is the development of the BFCC fracture register to an open, modern, scalable and standardized register to broaden usability for researchers, health system planning, (data)-infrastructure, medical device & pharmaceuticals manufacturers.

GoA 3.2: Optimisation the commercial use of the registry

Develop technical solutions for the implementation of the requirements which will be defined in GoA1 WP2, regarding the economic usability of the data from the register. It is particularly important to make the register flexible regarding the requirements of the medical device industry. Furthermore the user interface of the register will be improved to make it more user-friendly.