

OPEN INNOVATION IN SCIENCE

Mit neuen Methoden gesellschaftliche Herausforderungen addressieren

GÖG-Colloquium 12. Dezember 2018

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LBG AN OVERVIEW

- LBG public research organisation
 - € 28.9 million p.a. (30% base budget BMBWF)
 - 550 employees
 - 19 Ludwig Boltzmann Institutes (LBI) and 2 Research Groups
 - 50 (inter)national Partnerships



Ludwig Boltzmann Gesellschaft



LBG is developing new solutions for complex societal issues by

- identifying and addressing relevant social topics (Crowdsourcing)
- mobilising and involving "unusual" parties (Lead Users)
- developing and implementing excellent research (Ideas Lab)
- supporting transformation into effective solutions

SOCIETAL CHALLENGES

OPEN INNOVATION IN SCIENCE



LBG is a pioneer in the development and application of new formats, collaborative research and of Open Innovation in and for Science

- Open Innovation methods are applied for the formation of new institutes
- New Organisational Designs are being developed
- LBG OIS Center implements OIS methods within Ludwig Boltzmann Institutes





LBG places a high value on the development of young scientists in an academic context and beyond.

- Strengthening the cooperation with universities and building a network of partners outside academia
- Development of tailored offerings for young scientists (internships, potential analysis)
- LBG Career Center serves as first point of contact for all careerrelated questions

MAKING AN IMPACT THROUGH PUBLIC ENGAGEMENT

on mental health of children and adolescents











"Nine dots puzzle", Sam Lloyd, 1914, Cyclopedia of Puzzles J. P. Guilford





THINK OUTSIDE THE BOX

Problem requires thinking outside the box, but explicit instructions to do so will not help and more important thinking outside the box is meaningless unless the nature of the box that bounds the current thinking is understood

Eliminate the Goal-Directedness of Your Thinking

The minute you introduce a goal in your thinking, you're introducing a constraint.

Intend to encounter, rather than "come up with" ideas

Rather than "coming up with ideas" it's better to think of yourself as just encountering ideas.

Think wide

Keep every realm of thinking on the table.









TELL US!

WHAT QUESTIONS ABOUT MENTAL HEALTH DOES RESEARCH NEED TO ANSWER?







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IDEAS LAB

Directed search for researchers in various disciplines





- 1. Summary of **professional background**
- 2. How do you see **your expertise and interests contributing** to realising the **goal of the Ideas Lab** on Mental Health for Children and Adolescents?
- 3. What is your **approach to teamwork**?
- 4. How would you **explain your area of interest** to individuals with different expertise to your own?
- 5. How well do you consider yourself **suited for the Ideas Lab**?
- 6. What do you hope to **gain from participating in this Ideas Lab**, personally and professionally?





Austria Europe other America Australia & NZ Asia





30 participants - 15 countries



13 grantees - 9 countries







992 contacted > 127 applicants > 30 selected participants > 13 grantees



Core Linked Distant

















IDEAS LAB Agenda May 24-28

perspective)



teams

Ludwig Boltzmann Gesellschaft

22

presentations





5 Research Groups were assessed based on five criteria,2 Research Groups invited for further concept development:









Advisory Board including Experts by Experience

Youth Competence Group

Strong Partner Network – Relationship Manager









Transforming Health Systems into a Patient -Centered World



Expert Crowd Sourcing Identification of strategically important future topics **Pitch to Partners** Selection of consortia for hosting new LBI in Digital Health Lead Expert Workshop Development of concrete questions for research

Ideas Lab Forming research teams





Process in Phase 1

Statistics of Data Collection

The aim of the jury meeting is to finalize phase 1 by evaluating the 5 health topics, identified during this first phase. On this page the method of phase 1 will be explained. The overarching question for the data collection of this phase was: "Which health topics and problems (also care and system related) have already gained and will gain importance for society within the next 10 years and have potential for a major impact of digital technologies?"

SPECIFICATIONS FOR THE FINAL HEALTH TOPICS (RESULTS OF PHASE 1) IN CONTEXT OF DIGITALIZATION:

- A major impact of digital technologies in the topic is plausible
- High and increasing future societal relevance/need
- Area of research that was not largely supported earlier

OVERVIEW OF THE FOUR-STEP PROCESS.



IN THE 2. STEP "DATA COLLECTION" TWO SEARCH METHODS WERE APPLIED SIMULTANEOUSLY.

		Pyramiding Search	Content Analysis
00	Method	Using references from interviewees to identify the target person at the "top of the pyramid"	Thoroughly browsing and analyzing content (e.g. social modia, journals, blogs, studies, fora,)
đ	Aim	+ Finding relevant interview partners	Finding starting points Gaining knowledge about user needs Finding relevant interview partners
	Result	Personal recommendations by both users and experts led to new interview partners within the defined set of criteria and successful interviews	Start-ups (founded on user needs) indicated/confirmed need areas Research studies and blogs highlighted current trends and provided starting points for interview partners



190 people contacted (Austria and International)

46 user and user-organization interviews

(patient-near unusual suspects in and outside of healthcare and user organizations)

16 expert interviews

(general and digital health experts)



62 in-depth semi-structured interviews conducted

42 relevant secondary sources analyzed

(articles, presentations, blogs, fora, start-ups, Facebook groups)







Ludwig Boltzmann Institute Increasing Patient Participation during Diagnosis, Acute and Life-Long Therapy University Hospital Salzburg

Ludwig Boltzmann Institute Securing and Enhancing the Quality of Health Services and Patient Safety Medical University of Vienna



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