



MURINET

Multidisciplinary Research Network
on Health and Disability in Europe

Marie Curie Research Training Network
VI European Framework Programme

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Kick-Off Meeting

Milan , 28th February 2007



Project Co-Ordinator

Matilde Leonardi

Headnet Research Group

Scientific Direction

Foundation IRCCS Neurological Institute

Carlo Besta

Milan, Italy



- World Health Organization (WHO), Switzerland, (T.b.c.);
- Università Cattolica del Sacro Cuore (UCSC), Italy;
- Jönköping University (HJ), Sweden;
- Paedagogische Hochschule Zurich (PHZH), Switzerland;
- Universitätsklinikum Hamburg-Eppendorf (UKE), Germany;
- Universidad Autonoma de Madrid (UAM), Spain;



Partners

- Ludwig-Maximilians Universitaet Muenchen (LMU-MUENCHEN), Germany;
- Institute of Rehabilitation (IRRS), Republic of Slovenia;
- Institute for Rehabilitation Research (SWOR-iRv), The Netherlands;
- Consiglio Nazionale sulla Disabilità (CND), Italy;
- ARS-Friuli Venezia Giulia (ARS-FVG), Italy, (T.b.c.);
- CF Consulting, Finanziamenti Unione Europea srl (CFc), Italy.



1. MURINET Project Overview:

- a) Overall Objectives
- b) Overall Approach and Methodology

2. Description Research and Training Project:

- a) Main Research areas
- b) Project Objectives
- c) Joint Collaborative Research Project
- d) Training and Transfer Knowledge (ToK)



Overall Objectives:



MURINET aims to create an

European pool of experts in

Health and Disability research and management

within the framework of the

**International Classification of Functioning,
Disability and Health Model
(ICF, World Health Organization, 2001)**





Overall Objectives:

**ICF model embodies
the principles of:**

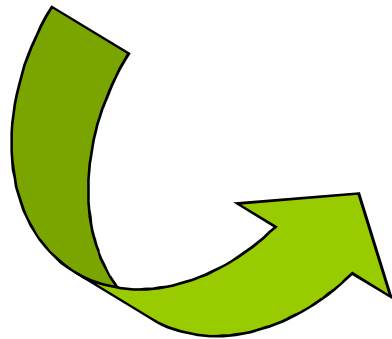
**Full PARTICIPATION
&
MAINSTREAMING and
UNIVERSALITY of Disability**





The proposed MURINET joint collaborative research project shares the following objectives:

1. Apply the ICF model in different settings



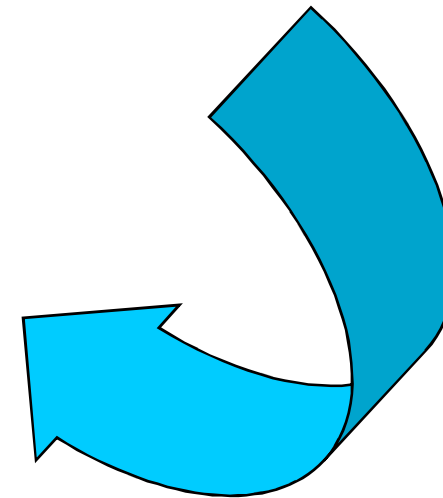
Improving health and
disability
research and policy
across Europe



Overall Objectives:

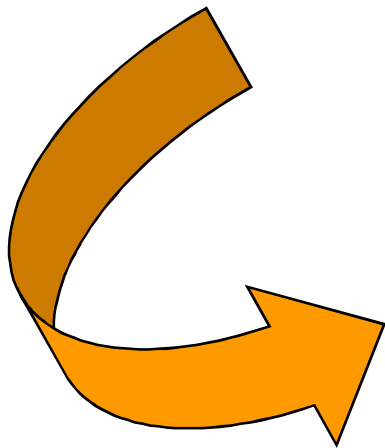
2. Reorienting health and disability-related clinical practice and policy

Exploring the validity of the various continua of functioning and disability, grounded in the ICF model



Overall Objectives:

3. Explore the practical consequences of the ICF- based intervention strategies in which all interventions are designed



to increase participation, by means of environmental facilitation or increased functional capacity



- Full participation by persons with disabilities (PwD)
- Full inclusion in society
- Access to health and other resources

*ICF provides the theoretical foundation for this EU research by emphasizing the need to look at the **complete lived experience of disability** and by providing a **common language** that links together clinical and rehabilitative services, population data collection, and other health-related services, such as education and employment*

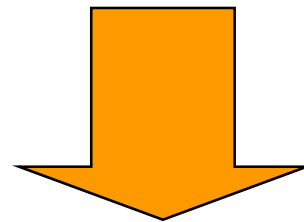


Overall Approach and Methodology

MURINET Aims

What are the needs of people with disability?

How to define interventions?



**Human functioning and disability are multi-faceted,
integrated, fluid and continuous experiences
(ICF principles)**



Overall Approach and Methodology

MURINET will help to meet

the URGENT NEED
to DEVELOP and VALIDATE

a holistic and integrated conception
of the LIVED EXPERIENCE of DISABILITY



Joint Research and Training Project:

MURINET MAIN FOUR Research areas

**MURINET
Research will
enable EU
to adopt an ICF
based holistic
and inter-
disciplinary
approach
to health and
disability**

**AREA 1
Clinical &
Rehabilitative**

**AREA 3
Health & Disability
Information for
Policy**

**AREA 2
Child Health,
Psychology &
Education**

**AREA 4
Ethics &
Human Rights**

Partners' areas of work



AREA 1

Clinical and
Rehabilitation
(INNCB, UAM,
LMU-MUENCHEN,
IRRS and SWOR-iRv)

AREA 3

Health and disability
Information and
management for policy
(INNCB, WHO, UAM,
CND, ARS-FVG)

AREA 2

Child health,
psychological and
educational sectors
(HJ, PHZH and UKE)

Project
management
(CFc)

AREA 4

Ethics and
Human rights
(UCSC and CND)



Description of the joint Research and Training Project

Each area à a **specific task and deliverables**

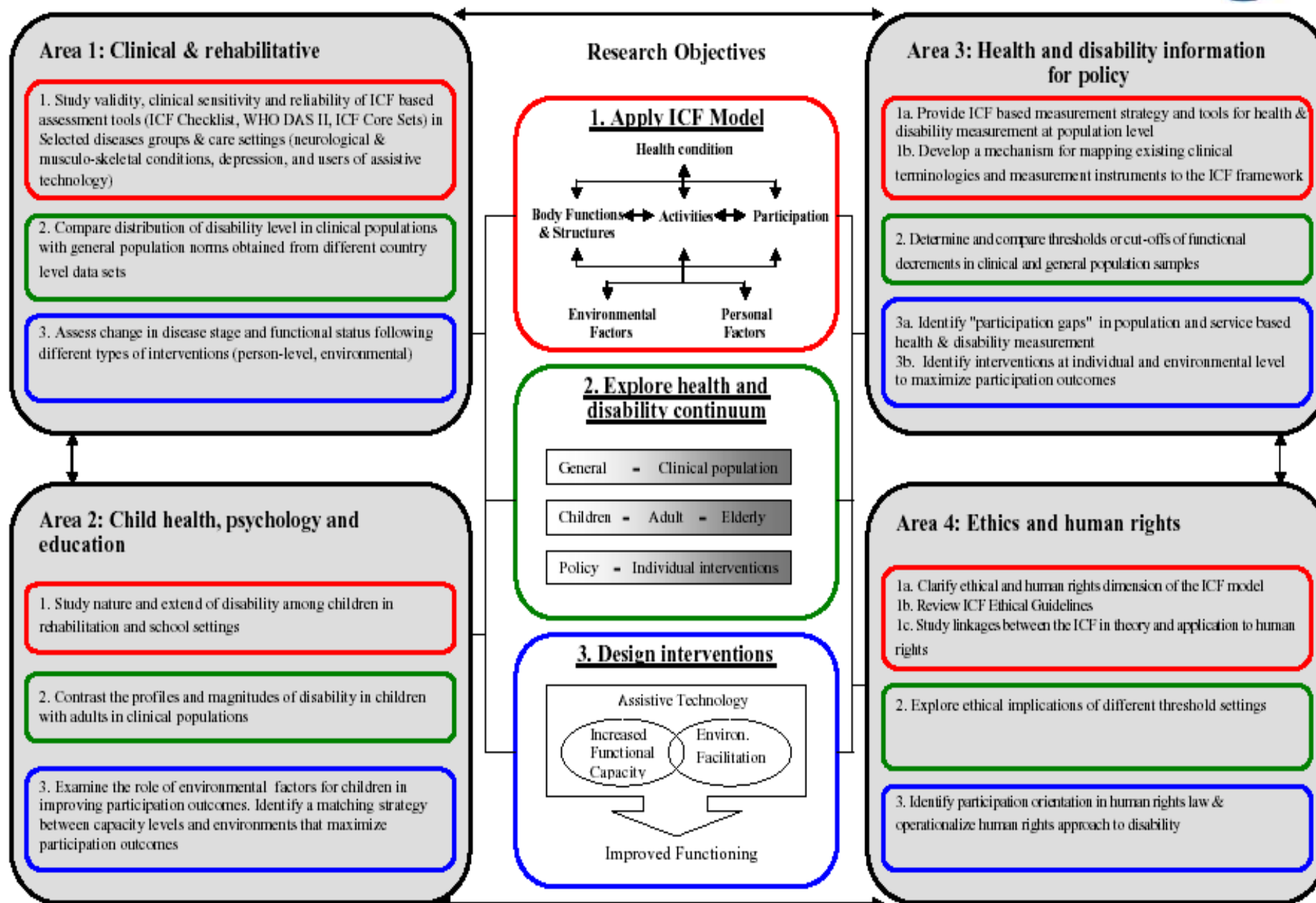


Multidisciplinary nature of research à interactions between researchers of a variety of disciplines and professions



Outcomes contribute to one or more of the three objectives

Fig. 1: Joint collaborative research project



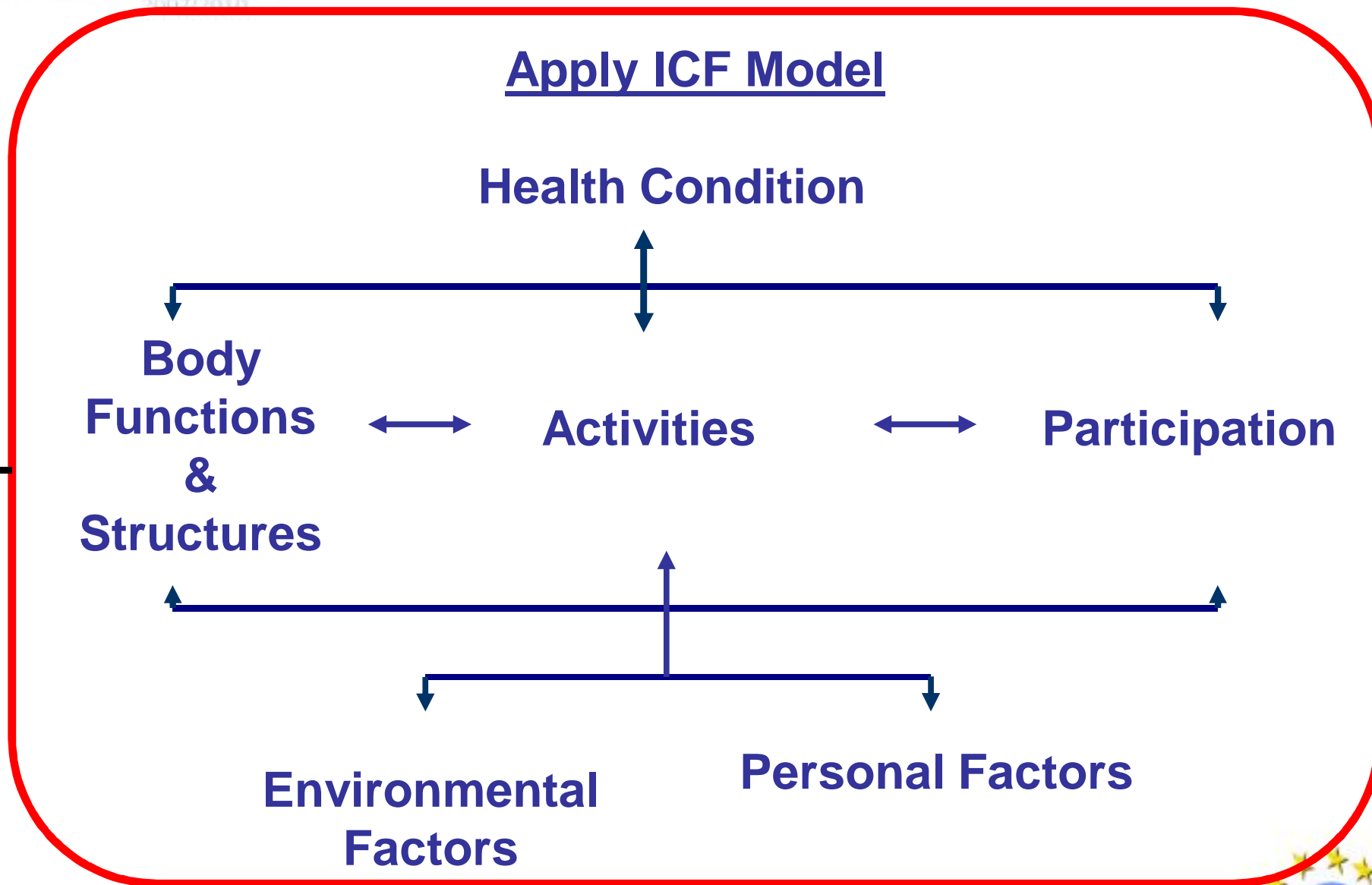
Joint Research and Training Project: MURINET 3 PROJECT OBJECTIVES

MURINET's four research areas are linked by
three project objectives

Application
of
ICF

Exploring
Health &
Disability
Continuum

Designing
Interventions





Explore Health and disability Continuum

General – Clinical Population

Children – Adult – Elderly

Policy – Individual Interventions





Design interventions

Assistive Technology

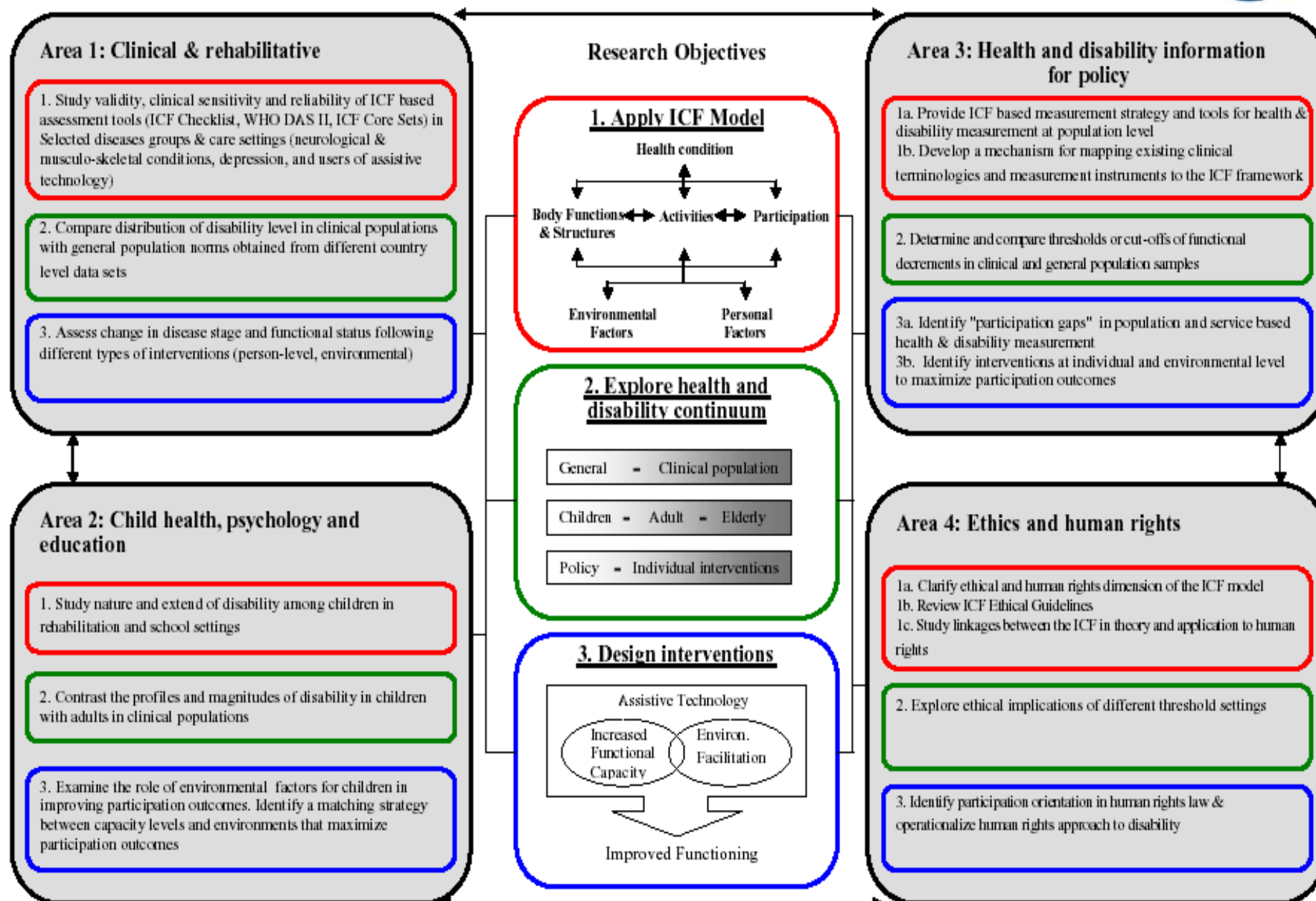
Increased
Functional
Capacity

Environmental
Facilitation

Improved Functioning



Fig. 1: Joint collaborative research project





Area 1: Clinical & Rehabilitative

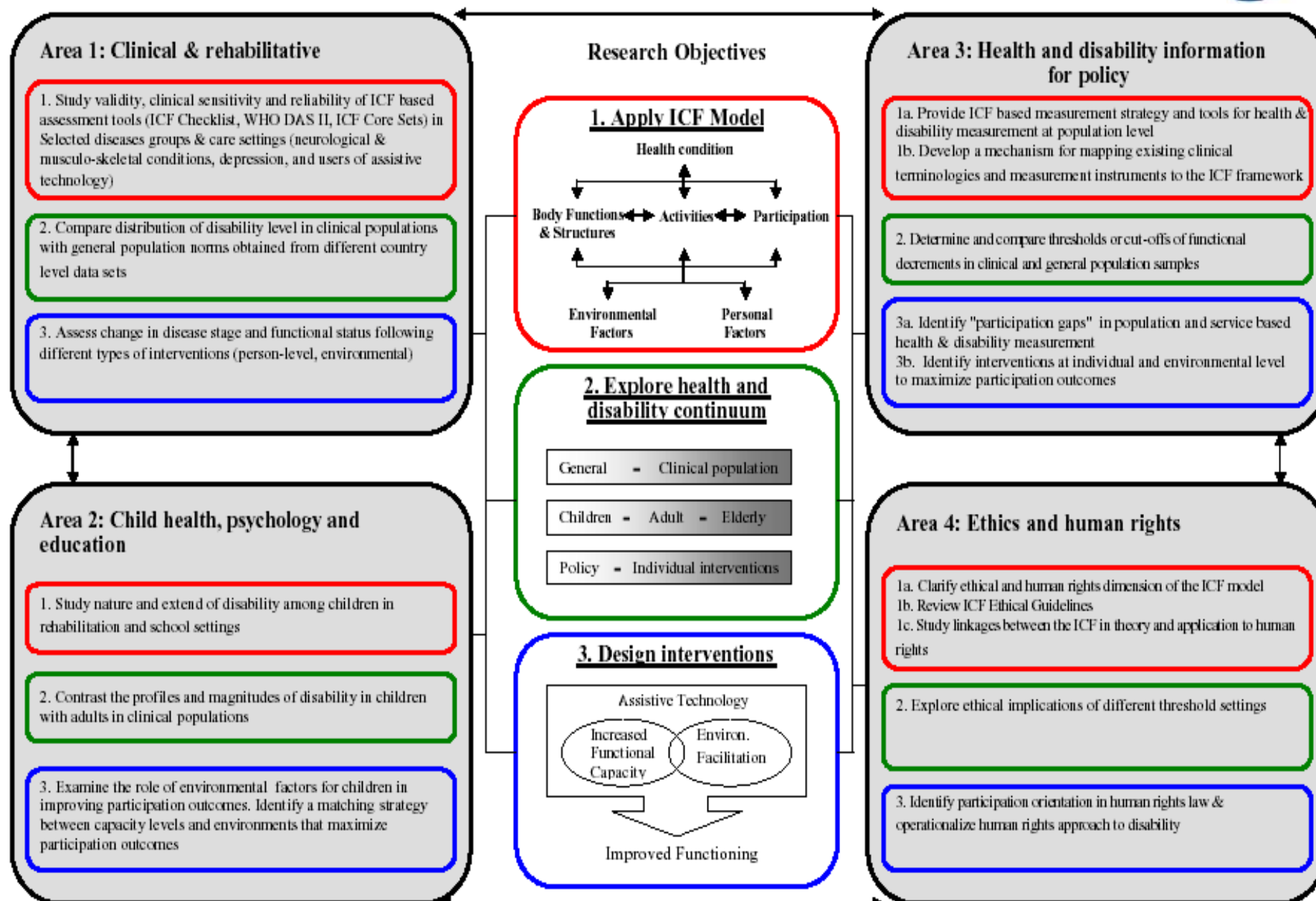
1. Study validity, clinical sensitivity and reliability of ICF based Assessment tools (ICF checklist, WHO-DAS II, ICF Core Sets) in selected diseases groups & care settings (neurological & musculo-skeletal conditions, depression, and users of assistive technology)

2. Compare distribution of disability level in clinical populations with general Population Norms obtained from different country level data sets

3. Asses change in disease stage and functional status following different types of interventions (person-level, environmental)



Fig. 1: Joint collaborative research project





Area 2: Child Health, psychology and education

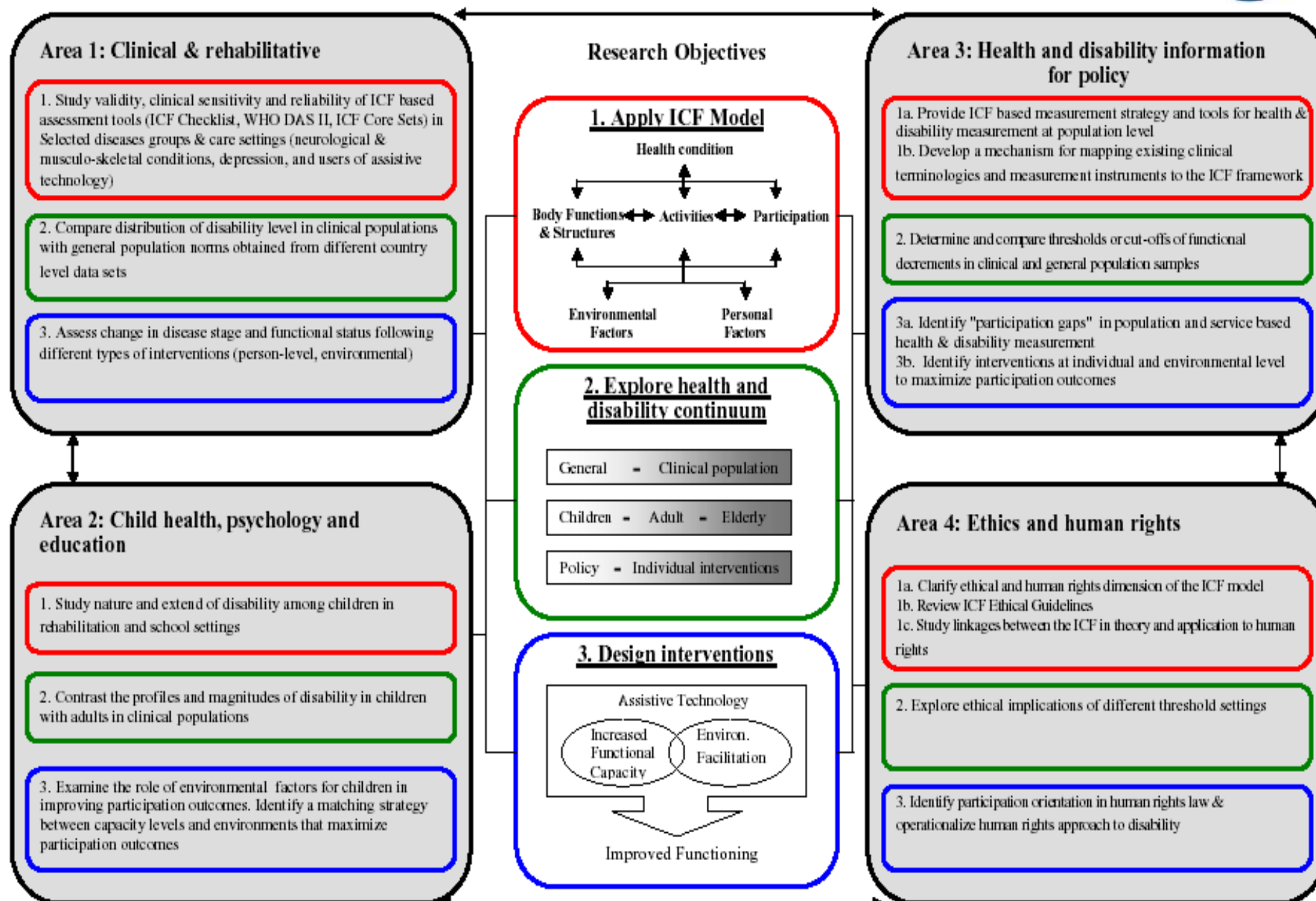
1. Study nature and extend of disability among children in rehabilitation and school Settings.

2. Contrast the profiles and magnitudes of disability in children with adults in clinical populations

3. Examine the role of environmental factors for children in improving Participation outcomes. Identify a matching strategy between capacity levels and environments that maximize participation outcomes.



Fig. 1: Joint collaborative research project





Area 3: Health and Disability information for policy

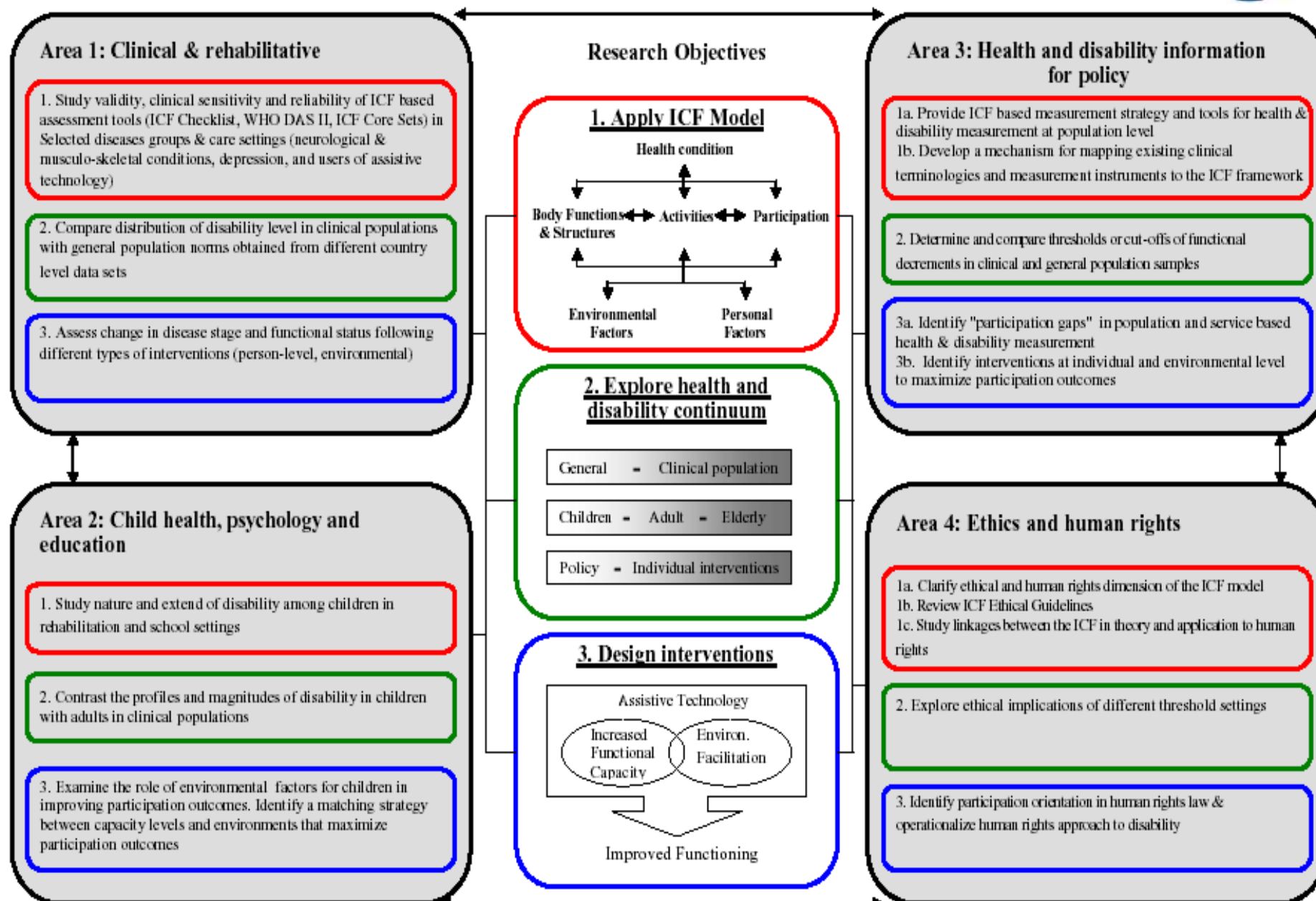
- 1 a. Provide ICF based measurement strategy and tools for health & disability Measurement at population level.
- 1 b. Develop a mechanism for mapping existing clinical terminologies and Measurement instruments to the ICF framework.

2. Determine and compare thresholds or cut-offs of functional decrements In clinical and general population samples

- 3 a. Identify “participation gaps” in population and service based health & Disability measurement.
- 3 b. Identify interventions at individual and environmental level to maximize Participation outcomes



Fig. 1: Joint collaborative research project





Area 4: Ethics and human rights

- 1 a. Clarify ethical and human rights of the ICF model
- 1 b. Review ICF Ethical Guidelines
- 1 c. Study linkages between the ICF in theory and application to human rights

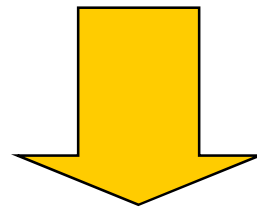
2. Explore ethical implications of different threshold settings

3 a. Identify participation orientation in human rights law & operationalize human rights approach to disability.



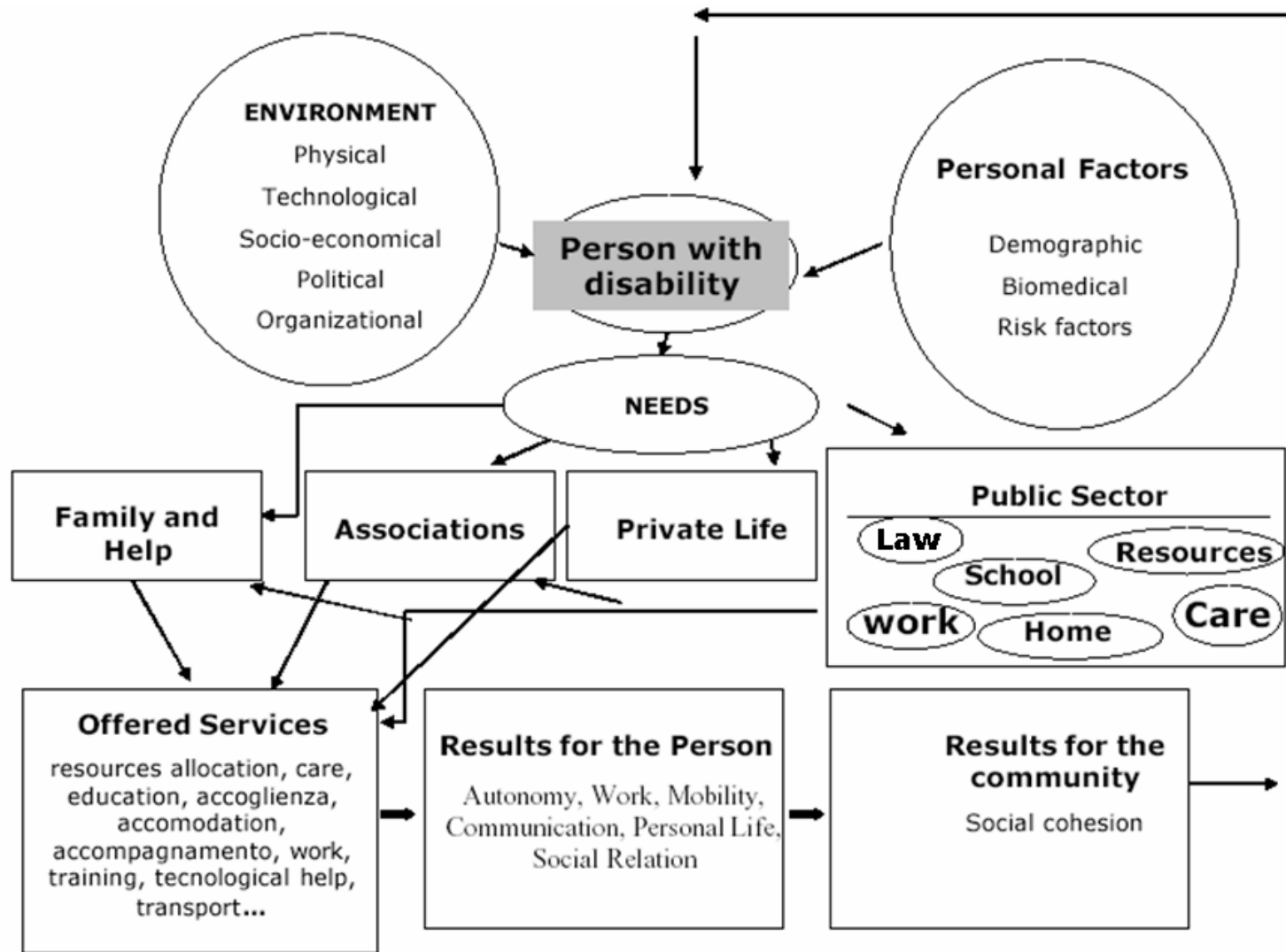
Training and Transfer of Knowledge

MURINET will provide a framework for the training and professional development of researchers



Expected outcome is to train
a new generation of European researchers

Training and Transfer of Knowledge



Training and Transfer of Knowledge

The research training network is directed to:

- Young researcher (ESR)
- Experienced researchers (ER)

Recruited researchers will design also a

Personal Career Development Plan

Training and Transfer of Knowledge



MURINET education and training is divided in two sections:

- Mandatory training courses and educational activities;
- Three main training areas and several complementary skills;



Training and Transfer of Knowledge



Mandatory training courses and educational activities

- ICF-DIN Basic and Advances Course
- Ethics in Health and disability and ethical implications in health policy
- PwD, Human rights and policy
- Linking Functioning and disability to technological aid and assistive device



Training and Transfer of Knowledge

Mandatory training courses and educational activities

ICF-DIN Basic and Advances Course (INNBC):

Main topics are related to operationalizing ICF terms and concepts

ICF Basic course

Brief history of disability
and of classifications
ICF basic principles
ICF structures and background
Impact in legislation and different settings
Presentation of Tool Box, ICF core sets,
WHO-DAS II e ICF-CY
ICF ethical implications

ICF Advanced course

ICF structure, chapters, domains
use of codes and qualifiers
ICF checklist
coding case vignettes
Use of checklist in different settings
description and use of WHO DAS II
exercises of coding
and back-coding case vignettes



Training and Transfer of Knowledge



Mandatory training courses and educational activities

Ethics in Health and disability and ethical implications in health policy (UCSC):

The objective is the learning of contents and methods to recognise, outline and approach the ethical problems related to health and disability and the application of the ICF model.

Main Training areas:

Moral Philosophy

Bioethics

Public Health Ethics and Law



Training and Transfer of Knowledge



Mandatory training courses and educational activities

Persons with Disabilities, Human Rights and policy (CND):

A general overview on HRs and Disability will be provided with a specific training on the main legal instruments of guardianship of the national and international institutions.

- 1) HR and Disability
- 2) International view on HR of PwD
- 3) the policies of European Union and Council of Europe on the HR of PwD
- 4) UN and disability
- 5) International Agencies and disability

- 6) National and international legal instrument of guardianship of PwD
- 7) HR and social inclusion
- 8) the role of the NGOs/DPO's
- 9) Research and disability



Training and Transfer of Knowledge



Mandatory training courses and educational activities

Linking functioning and disability to technological aid and assistive device (SWOR-iRv):

Training on technology and disability is directed to show the feasibility and potential benefits of the ISO 9999 as a complementing classification of the ICF.

consultation services
use of databases
on national (e.g. REHADAT)
and European level (EU project EASTIN)
and the use of the ISO 9999
for products and technology.



Training and Transfer of Knowledge



Main training areas

AREA 1: CLINICAL & REHABILITATIVE APPLICATIONS

1. Empirical applications of ICF use in clinical practice;
2. Crosswalks to ICF of assessment tools and terminologies in different fields
3. Development and validation of devoted ICF-based assessment tools
4. Measurement of quality of care using ICF
5. Scientific appraisals of ICF in classifying functional status
6. Content comparison of existing health status measures based on the ICF
7. Applications of ICF in health programs
8. ICF core sets training
9. Environmental factor perspective on ICF.



Training and Transfer of Knowledge



Main training areas

AREA 2: CHILD HEALTH, PSYCHOLOGICAL AND EDUCATIONAL APPLICATIONS

1. Empirical applications of ICF use in childhood disabilities
2. Crosswalks to ICF of assessment tools and terminologies in different fields
3. Development and validation of devoted ICF-based assessment tools
4. Measurement of quality of childhood intervention and habilitation using ICF
5. Scientific appraisals of ICF in classifying activity status
6. Applications of ICF in the natural contexts of children with disability, e.g. home, preschool and school
7. Evaluation of the feasibility of the ICF model in education systems.





Main training areas

AREA 3: HEALTH AND DISABILITY RESEARCH MANAGEMENT AND POLICY

1. Data collection based on the ICF
2. Assessments of ICF uses in administrative records
3. Use of ICF in payment and reimbursement systems
4. National and international comparisons of ICF implementation and policy application
5. Harmonization of survey questions with ICF terms, including data dictionaries
6. National and international comparisons of ICF implementation
7. Assessment of disability in population surveys
8. Assessment of disability in clinical populations
9. Burden of disease studies
10. Sectorial cost-benefit analysis using disability measures as outcome variables





Training and Transfer of Knowledge

Tok activities carried by Experienced Researchers (ER)

ERs will be involved in the ToK and interaction among participants

The activities of experienced researchers will include:

- (a) participation in **collaborative research** projects;
- (b) exchanging knowledge** within the host team and with the other teams in the network;
- (c) mentoring of ESRs** within the Network;
- (d) producing **joint publications** from the different research laboratories, encompassing different skills.





Training and Transfer of Knowledge

Complementary skills and individual training

Activities are divided into individually guided study, complementary courses and free participation to relevant events on the topic, under the guidance of a **Scientist in charge**.

Whenever possible, full credit transfer is guaranteed by the

European Credit Transfer System (ECTS).



Murinet 2007-2010

**Four years of a new
challenge together!
Have a nice journey
and
ENJOY!!**

**Your project
coordinator**



Matilde Leonardi