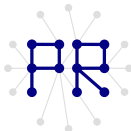


Medical Data Understanding

Marcin Grzegorzek

Pattern Recognition Group
University of Siegen



Overview

Vision

Activities

Resources

1 Vision

2 Activities

3 Resources

Overview

Vision

Activities

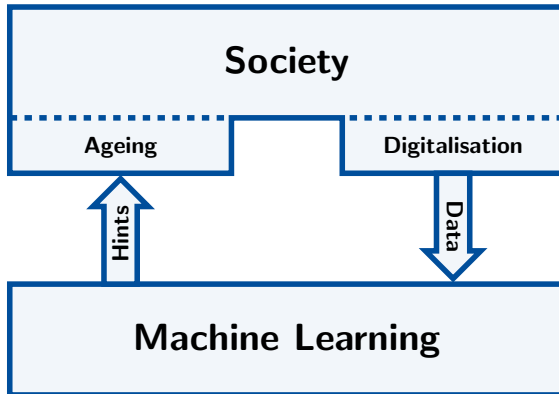
Resources

1 Vision

2 Activities

3 Resources

Society \Leftrightarrow Machine Learning



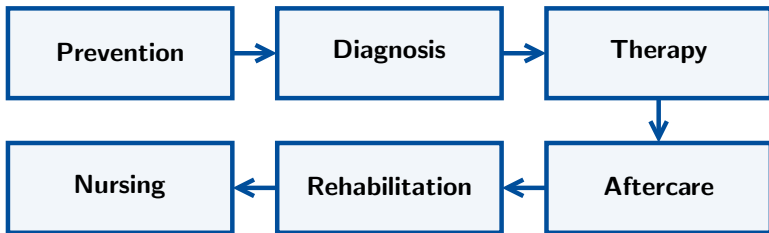
Vision

Activities

Resources

Scientific Vision

Vision
Activities
Resources



Scientific Vision



(1) Pattern Recognition for Holistic Health Assessment

Scientific Vision



- (1) Pattern Recognition for Holistic Health Assessment
- (2) Focus on Neurodegenerative Diseases

Scientific Vision



- (1) Pattern Recognition for Holistic Health Assessment
- (2) Focus on Neurodegenerative Diseases
- (3) Ethical, Legal and Social Implications (ELSI)

Overview

Vision

Activities

Resources

1 Vision

2 **Activities**

3 Resources

Cognitive Village: Project Facts



Vision

Activities

Resources

Title	Adaptively Learning Technical Support System for Elderly
Duration	September 2015 – August 2018
My Role	Consortium Coordinator and Leader of WP2 “Adaptive Data Interpretation”
Consortium	Universität Siegen, 4 Companies, Fraunhofer Institute, Diakonie, Stiftung Neue Verantwortung, Stadt Bad Berleburg
Total Budget	2.900.000 €
My Budget	449.000 €

Cognitive Village: Indoor Scenario

Vision
Activities
Resources

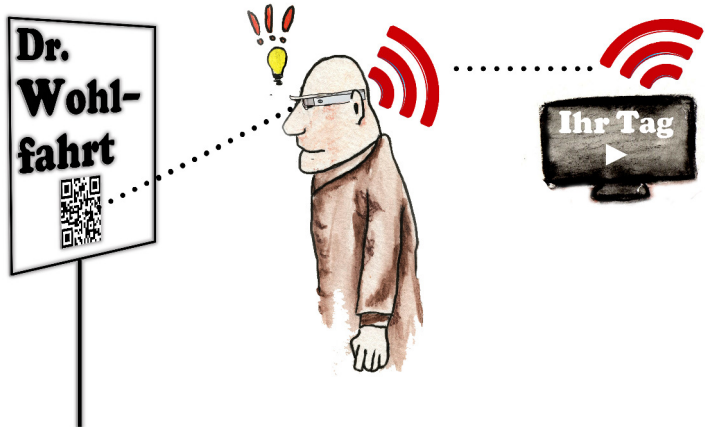


Cognitive Village: Outdoor Scenario

Vision

Activities

Resources



My-AHA: Project Facts



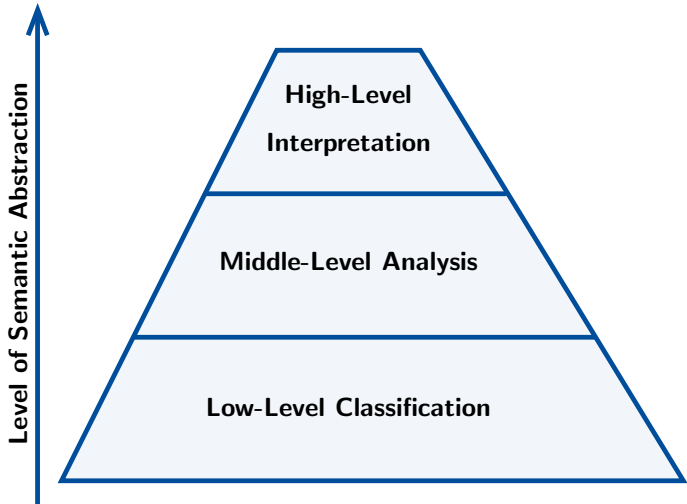
Title	My Active and Healthy Ageing
Duration	January 2016 – December 2019
My Role	Leader of WP6 "Data Fusion and Analytics"
Consortium	6 Universities and 8 Companies from 10 Countries
Total Budget	over 8 Mio. €
My Budget	300.000 €

Vision

Activities

Resources

My-AHA: Semantic Data Abstraction



Vision

Activities

Resources

Usage of JINS MEME

Accelerometer

Gyroscope

EOG Sensor



Vision

Activities

Resources

Overview

Vision

Activities

Resources

1 Vision

2 Activities

3 Resources

Cognitive Village (BMBF): 36 PM

(Adaptively Learning Technical Support System for Elderly)

Resources

Vision

Activities

Resources

Cognitive Village (BMBF): 36 PM

(Adaptively Learning Technical Support System for Elderly)

My-AHA (EC Horizon 2020): 27 PM

(My Active and Healthy Ageing)

Cognitive Village (BMBF): 36 PM

(Adaptively Learning Technical Support System for Elderly)

My-AHA (EC Horizon 2020): 27 PM

(My Active and Healthy Ageing)

ELISE (BMBF): 36 PM

(Interactive and Emotion-sensitive E-Learning System)