



eHealth week

11 - 13 MAY 2015
RIGA, LATVIA

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University Hospital Olomouc
National eHealth Centre
Zdenek Gütter

Maturity model for scaling-up – Experience of Olomouc Region – Czech Republic

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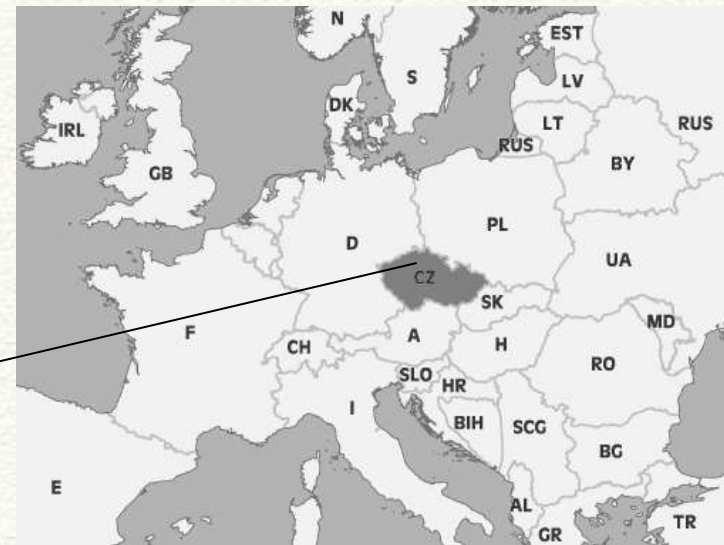
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The region in the Czech Republic

- Olomouc Region - located in northwest Moravia – 5274 sq. km
- Industrial – agriculture; 640 000 inhabit. (CR – 10 mil)





Olomouc and National eHealth Centre

- Olomouc - 6th largest city in the CR 102 000 residents, founded in 10.cent; urban zone has population 480 000 inhab.
- University of Palacky in Olomouc – 2nd oldest national university, 23 th. students, 8 faculties, Medicine and Dentistry
- Interconnected with University hospital Olomouc (6th largest in the CR, medical services up to quaternary care, 1200 beds, 3350 employees, 50000 hospitalizations/year, 17000 operations/year). State owned (not by the region)
- Cardiology clinics – modern complex care, within it – National eHealth Centre (NTMC), founded in 2012, Structural funds – European Social Fund
- Medically driven unit, task force and association
- Leading expert centre for telemedicine in the CR



National eHealth Centre and Integrated care

- Healthcare and social care protocols and rules in Czech Rep. are unified/centralized; somebody have to take lead in changes induced by demographic development and capabilities of ICT
- Issues of ICT use in medicine (and social care) – barriers: financing, reimbursement, acceptance by stakeholders, current protocols of care are face-to-face oriented
- Initial services of NTMC – distant monitoring of pacemakers and defibrillators, later chronic diseases, e.g. Diabetes, Heart Failure
- Need to progress from pilots/studies to regular use – Integrated care vision for patients (seniors) with chronic diseases
- Strategy: Bottom-up innovation and expand skills



University Hospital - NTMC initiatives

- Creation of a network of interested subjects in healthcare system changes with ICT support
- Joining EIP AHA – B3, AHA Reference Site with 2 Good practices, improving healthcare in the Region
- Cooperation with Olomouc Region – projects oriented to IC, with other EU EIP AHA partners
- Teaming with local healthcare industry
- Participation in the development of Czech National strategy of eHealth and Platform of electronic healthcare; expertise for Ministry of Labour and Social Care



Need for Integrated care

- In hospitals: social beds are missing, expenses paid from healthcare funds rather than from social one, social dependent people after intervention have no other choice
- In social care facilities: healthcare nursing services without rules and reimbursement
- At home: social and healthcare are separated, fragmented, not coordinated, confusing

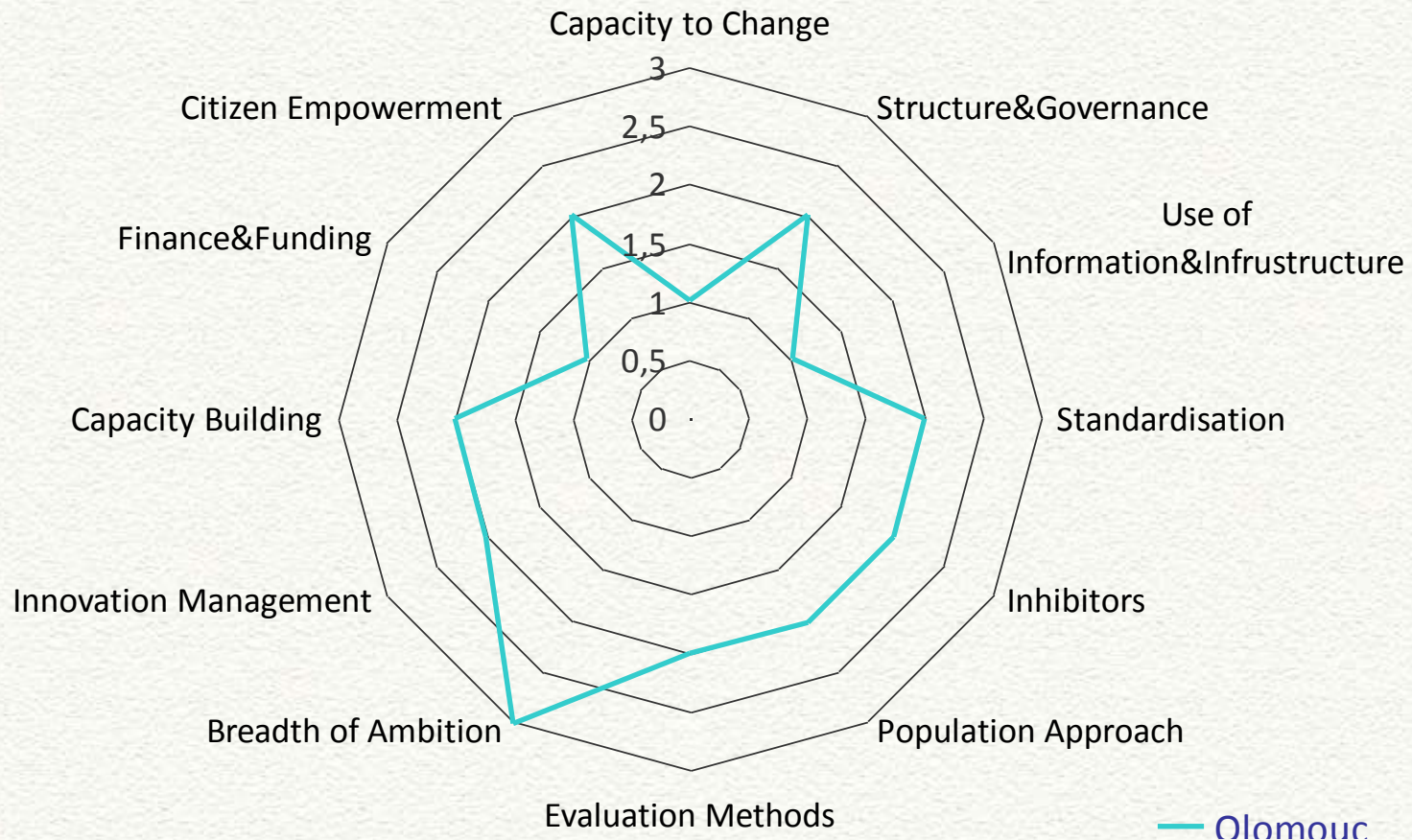


Default conditions for IC in the CR

- Traditional healthcare model functions still well
- No central concept of IC, clear program, social care and healthcare with separated funds, no legal framework
- No regional/national electronic healthcare record
- Most urgent need: Social – healthcare beds (were discussed since 2003, incompatible views of major stakeholders)
- Current attempts for horizontal integration by others: a few small and partial individual initiatives (mixed financing)
- Vertical integration in healthcare – most organizational measures are designed by medical societies: e.g. National cardiovascular program (9 medical societies), complex care from prevention to aftercare. Cooperation on all medical levels from GP to specialized care. Other branches of medicine follow (respiratory diseases).
- Status and efforts are reflected in our IC Maturity model

Maturity matrix - Olomouc Region/CR

12 dimensions with objectives, indicators and score





Added value of B3 maturity model

- First tool to identify elements and objectives for conceptual work on IC
- Model to be used in negotiations with parties facilitating IC as it is very focused on the topic. Model provides to us good reference communication tool recognized by European leaders in IC implementation
- Model enables complex evaluation of the status and progress in IC – both horizontal and vertical
- Model is easy to use, comprehensible for broad spectrum of stakeholders from both social and healthcare
- Even regions and countries that are in initial stage of IC can use it
- Tool is also good for interregional/international comparison of IC

The logo for eHealth week, featuring a stylized blue 'e' followed by the words 'Health' and 'week' in a sans-serif font.

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THANK YOU

Zdenek Gütter, PhD

Project manager FNOL-NTMC

gutter@ntmc.cz

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