Preparation for the annual face-to-face meeting of partners of the International ICanFunction (*m*ICF) Partnership (3 April 2019, Kuwait City)

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2   INTRODUCTION

This document aims to inform mICF partners about the

- Dates for the mICF Kuwait meeting and a link where to register
- Summary of the results following a survey taken by mICF partners in January 2019
- The proposed agenda for the Kuwait meeting
- Preparatory work that needs to be done before Kuwait

3   NOTICE: ICANFUNCTION MHEALTH SOLUTION (MICF) PARTNERS MEETING (CLOSED MEETING)

- **Date:** 3 April 2019
- **Venue:** Kuwait City, Kuwait (the venue will be announced soon)
- **Host:** Ministry of Health: Kuwait
- **Cost:** Meetings, including food and beverage is free. Participants are responsible for costs of transport, accommodation and other meals (breakfast, dinner). Accommodation will cost between $120-$160 per night
- **Visa:** The host will organise your visa. The information page in your passport should be uploaded with registration.
- **Register here (before 22 February please)**
- **Plan your trip**
- This meeting coincides with meetings of the Functioning and Disability Reference Group of WHO-FIC (4&5 April) and the 4th International Symposium: ICF Education (6&7 April) (http://icfeducation.org/upcoming-events)
- **More information:** Stefanus Snyman (stefanussnyman@gmail.com)

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5 SUMMARY OF SURVEY TAKEN BY MICF PARTNERS IN JANUARY 2019

5.1 CONTRIBUTION FROM PARTNERS IN 2018 TO HELP MAKE PROGRESS WITH THE MICF INITIATIVE

Partner name	Contact person	Contribute in 2018 to help make progress with the mICF initiative
ICanFunction Health (Pty) Ltd	Stefanus Snyman	1. Formed an OpsCo for South Africa called ICanFunction Health (Pty) Ltd. Currently Stefanus Snyman is the only director, but other directors still need to be appointed. This company will coordinate the development of an mICF MVP in South Africa. 2. We initiated discussions with MediClinic (a private hospital group in South Africa, Namibia, UAE and Switzerland). They were interested to develop a MVP for patients with hip problems / hip replacements. Negotiations were put on hold as MediClinic first have to put a few things in place. 3. We also had a few rounds of discussions with Sanlam, an African life insurance company. Unfortunately, these negotiations were not successful. 4. I met weekly with Flip du Plessis from RealityGate, who served as my coach regarding business development. 5. ICanFunction Health and RealityGate helped to develop a draft document regarding the structuring of the mICF ecosystem. This document was accepted at the mICF meeting in Hamburg. 6. I participated in the mICF meeting in Hamburg. 7. I was invited as plenary speaker at the conference of the South African Medical Technology Industry Association. 8. We agreed to develop an MVP for patients with diabetes / obesity / metabolic syndrome in partnership with the Noakes Foundation. We have an investor willing to sponsor the development of the first MVP.
Nelson Mandela University	Darelle van Greunen	1. FunctionMapper: Completed the English version of related terms and Topic Groups 2. Main author of the mICF article to be published in the Feb/Mar 2019 Edition of the Journal of Interprofessional Workforce Research and Development 3. Took the lead to apply for a Fogarty Grant in collaboration with USP (Brazil) and OHSU (USA). We were not successful, but the project plan can still be of value to develop an MVP for a PHC context
3.DEFACTUM, Central Denmark Region	Thomas Maribo	1. Participation in meetings, discussions and seminars
McMaster University	Olaf Kraus de Camargo	1. Presentations at WHO meetings and internally 2. Establishing contact with additional partners 3. Contribution to grant proposals 4. Contribution in setting up foundation
University of Sydney	Catherine Sykes	1. Contributed to FunctionMapper in Hamburg
Team H.I. M.	Joanne D Valerius	1. Worked on Fogarty grant through OHSU
JAMK University of Applied Sciences	Jaana Paltamaa	1. Contributed in the Finnish version of FunctionMapper 2. Participated in meetings and discussions 3. Presentations of the mICF prototype to the projects of JAMK

Partner name	Contact person	Contribute in 2018 to help make progress with the mICF initiative
Space 4 Development	Sias Mostert	1. Development of space infrastructure for global distribution
UMCG	Gonda Stallinga	1. Writing applications for grants related to functioning. 1 grant succeed: a feasibility study for the development of a serious game
National Institute for Health and Welfare	Heidi Anttila	1. THL developed the FunctionMapper 2.0 editing interface. It is ready to use for editors and has open API.
ESTeSC Coimbra Health School	Anabela Martins	1. Brief collaboration in the mICF meeting in Hamburg
MSH Medical School Hamburg	Liane Simon	1. Searching for IT Partners 2. Host of mICF Meeting in April 3. Work on German lay Language
Fondazione IRCCS Istituto Neurologico C. Besta	Matilde Leonardi	1. Looked for fundraising with GSMA Mobile for development
Individual	Sabina Van der Veen	1. Preparation of the founding of the mICF Foundation 2. mICF article
RealityGate	Flip du Plessis	1. Assisted mICF champion, Dr Stefanus Snyman, in conceptualising and formulating a structure (the entities and legal framework, ELF) as a way to find an implementation structure for the mICF partnership concept and to realise the objectives of the MoA. 2. Also made inputs into presentations to potential clients and client-projects, strategic technology partners and draft investment proposals.
First Line Software	Vladimir Litoshenko	1. Review of FunctionMapper functionality.
CIF Brasil	Eduardo Santana Cordeiro	1. Translation of FunctionMapper into Portuguese Language 2. New partners at University of San Pablo to build a local project and contribute more.
LMU Munich	Michaela Coenen	1. Work on FunctionMapper: linking of questionnaires, translation of lay terms in German language
Stone Three	Dirk Wagener	1. Ongoing support in terms of the big data and machine learning architecture /design proposed for mICF. 2. Commercial support in terms of assisting with the agile commercialisation strategy. 3. Overall, limited inputs due to limited capacity from our side.
Silla University	Haejung Lee	Input Korean into FunctionMapper

5.2 STUMBLING BLOCKS EXPERIENCED DURING 2018

1. The lack of dedicated time to grow mICF in South Africa
2. A lack of funding
3. The stalling of progress with Sanlam and MediClinic
4. Problems with the national eHealth system
5. Nil apart from time and connection. Face to face working seems to push the project along.
6. Continued issues with submitting grants (e.g. The problems to submit our Fogarty Grant application)
7. Lack of time. First of all, a clear schedule (objectives) how to work on mICF.
8. Data law in Europe
9. Risk averse attitude of others, due to perception of early stage venture
10. It took time to get in contact with FunctionMapper developers and understand what and how it is implemented there. This activity is still under development.
11. Workshop in Hamburg
12. Difficult to follow working progress

5.3 PREFERRED MICF ECOSYSTEM'S OBJECTIVES FOR 2019

Objective 1: Establish a communication system between the partners (collaborators)

1. Key Result 1a: Prepare additional information documents to clarify entities and legal framework concepts.
2. Key Result 1b: Identify key contributions from interested partners/collaborators, willing to play an active role in 2019.
3. Key Result 1c: Design a communication and information-sharing protocol.
4. Key Result 1d: Select a platform.

Objective 2: To complete the formation of the mICF Foundation

5. Key Result 2a: Comply with all formalities, Trustees, Bank account, etc.
6. Key Result 2b: Appoint an Advisory Board.
7. Key Result 2c: Objectives, key results and plans for the next year.
8. Key Result 2d: Identify research partners with the capacity to participate in the functioning of the mICF Foundation.

Objective 3: To operationalise mICF Foundation

9. Key Result 3a: To obtain a research grant
10. Key Result 3b: Define easy ways to have health indicators from collected data.
11. Key Result 3c: Join Global Mydata Initiative.

Objective 4: Refine the IP Holding Company business concept

12. Key Result 4a: Assemble Advisory Board (it may be the same as that of mICF foundation).
13. Key Result 4b: Review and refine IP Holding Company strategy and business model.
14. Key Result 4c: The legal issues are solved.

Objective 5: To develop a frontend for FunctionMapper owned by the mICF Foundation

15. Key result 5a: Specifications for the frontend
16. Key result 5b: A commercialisation model for the mICF FunctionMapper
17. Key result 5c: NMU or another partner agrees to develop the frontend for the mICF Foundation
18. Key result 5d: Launch of the mICF's FunctionMapper by September 2019

Objective 6: A funded project with friendly IP arrangements to allow us to build a direct-to-consumer (D2C) mobile app to operationalise mICF for a specific disease/disability area.

19. Key Result 6a: All technology and commercialisation partners to meet in Kuwait and agree on a plan to collaborate to develop MVP(s)
20. Key Result 6b: One committed funder/investor to enable the development of an MVP
21. Key Result 6c: Well defined and managed patient journey with trackable improvement in PROMs.
22. Key Result 6d: First English MVP frontend and backend (FunctionMapper) so that we can start pilot testing in practice.

- Note 1: Test by various user groups and connection to health professionals
- Note 2: That an MVP will demonstrate the collection of ICD-11 functioning categories plus what else is relevant to the person. If ICF is to get leverage, then it will probably be through ICD-11. Would need linkage of the relevant ICF code with the ICD code. ICD has a foundation with the terms required to make up the codes. FunctionMapper may be able to support the Functioning codes and other codes that use the same terms in ICD-11. I would like the project to explore how mICF project could be better integrated with the WHO workplan so that there is leverage for the project.

23. Key Result 6e: First big data lake to apply machine learning to ICF data.

5.4 INDIVIDUAL PARTNERS' OBJECTIVES AND KEY RESULTS (OKRS) FOR 2019 REGARDING MICF

Partner name (company, entity or individual)	Contact person	What are your organisation's Objectives and Key Results (OKRs) for 2019 regarding mICF (i.e. not necessarily the objective for the collective, but for you personally)?
ICanFunction Health (Pty) Ltd	Stefanus Snyman	Objective 1: Target the April 2019 Kuwait meeting as a special meeting for mICF partners to became active role players in the implementation plans Key Result 1a: Agreement on the proposed ICF Ecosystem model between the technology and commercialisation partners Key Result 1b: Agreement who will collaborate on the South African MVP with the Noakes Foundation Key Result 1c: South African OpsCo fully operationalised Objective 2: Develop the Diabetes/Obesity mICF MVP with the Noakes Foundation Key Result 2a: Source funding for the development of the MVP Key Result 2b: Access to the new mICF FunctionMapper API Key Result 2c: Iterative, agile development of MVP – starting with screen flows Key Result 2d: Research protocol for the impact evaluation of MVP Key Result 2e: Monetisation of MVP
Nelson Mandela University	Darelle van Greunen	Objective 1: To develop a frontend for FunctionMapper Key results 1: Specifications for the frontend Key result 2: A commercialisation model for the mICF FunctionMapper Key result 3: To develop the frontend with the funds that is available Key result 4: Launch of the mICF FunctionMapper by September
3. DEFACTUM, Central Denmark Region	Thomas Maribo	To collaborate with a European country to test the regulations regarding data-security in the EU
McMaster University	Olaf Kraus de Camargo	If we had a working beta version, I would develop a field test in children with ASD
Catherine Sykes		To see an mICF MVP so that it can be pilot tested during ICF education sessions
Joanne D Valerius		Research: one funding request to completion
JAMK University of Applied Sciences	Jouni Huotari	I would like to contribute to technological issues, e.g. data models, big data solutions, use of AI, etc. Source funding for the development and research of the MVP

Partner name (company, entity or individual)	Contact person	What are your organisation's Objectives and Key Results (OKRs) for 2019 regarding mICF (i.e. not necessarily the objective for the collective, but for you personally)?
UMCG	Gonda Stallinga	To fill FunctionMapper with Dutch lay terms and to connect with a frontend.
National Institute for Health and Welfare	Heidi Anttila	None for mICF, as I need to work nationally. • In 2019 THL started a project to define national indicators and outcome measures for functioning, collected from patients' paths in rehabilitation. This is content definition with relevant stakeholders from all counties. The chosen instruments (for 2-3 patient groups, probable people with mental health and alcohol/drug problems, elderly people) will be provided to health information systems via FunctionMapper, and data collection plan will be developed for pilots in certain municipalities or counties. International standards and recommendations will be used e.g. ICHOM, ISOQOL minimum criteria, CO-Stads standards. • In 2019 my plan is also to collaborate with Sotedigi OY (the state owned newly founded company to develop health information systems) and Social Insurance Institution (who developed and maintains the national PHR) to unify the functioning information flow (data structures, FIHR etc) from FunctionMapper to PHR, EHR and Kanta. We have already agreed on the same goal and started collaboration with the Technology specifications. • The future plan is that health care information systems develop the frontends for professionals and patients, the data collected will be saved to national EHR Kanta (professionals) or national PHR (patients/citizens) using unified information structures. • We now wait for two important new laws to be accepted in Parliament: one for use of the patient data by professionals and the other for re-use of the patient data (e.g. for research, or for companies for big data analyses etc). If, and when the new legislation is accepted, only then professionals can collect patient reported data from PHR, if the patient allows that, and save it to Kanta. From Kanta the data will be gathered to a data pool, and formed to indicators. There is a preliminary plan for the data pool with five layers, each for different use cases. • The national architecture for health information systems is being planned in a national Toivo programme, which is currently under construction until March 2019.
ESTeSC Coimbra Health School	Anabela Martins	Start a pilot in Portugal
MSH Medical School Hamburg	Liane Simon	Beta version of German MVP and funding to do it.
Fondazione IRCCS Istituto Neurologico C. Besta	Matilde Leonardi	To do at least one pilot in Italy
RealityGate	Flip du Plessis	Objective 1. Originate an Operating Company (Opsco) for implementation Key Result 1a: Identify market segment (vertical) for a local application Key Result 1b: Develop project plan for an MVP for validation Key Result 1c: Estimate monetization potential Key Result 1d: Align with strategic technology and operating partners Key Result 1e: Compile investment/funding proposal and pitch to potential investors
First Line Software	Vladimir Litoshenko	At the moment we are working on proposal concerning predictive Healthcare logistic together with mICF Team. So OKR would be "setup a project concerning Predictive Supply Chain in Healthcare with usage on ICF / mICF concept."

Partner name (company, entity or individual)	Contact person	What are your organisation's Objectives and Key Results (OKRs) for 2019 regarding mICF (i.e. not necessarily the objective for the collective, but for you personally)?
CIF Brasil	Eduardo Santana Cordeiro	To do at least one pilot in Brazil
LMU Munich	Michaela Coenen	We set up a new research network and defined priorities in global public health research. One of these research priorities is digital health which perfectly fits to mICF.

5.5   DESIRED AGENDA ITEMS FOR KUWAIT

Organisational development

a) Big picture of mICF working progress.
b) Agree on what is unique to mICF and that/how it should be preserved and protected.
c) Find common ground and agreement on the proposed mICF Ecosystem model, especially between the technology and commercialisation partners
d) Identify those willing and able to become active role players in 2019/20: Search for linkages to existing skills and capabilities, internal and external, and how to align them
e) Legal questions are discussed

FunctionMapper

f) Specifications for the FM frontend
g) A plan what content to populate to FunctionMapper.
h) A plan how to utilise FunctionMapper, including a commercialisation model for the mICF Foundation

Minimum viable product

i) OKRs (with plans) to develop horizontal and vertical applications for an MVP(s) over the next 12-18 months, including achievable plans for country implementation and the role of each partner/individual
j) Plan (including budget) how to proceed with the application for funding/investment.
k) Basic architecture for MVP (frontend and backend)
l) Determine at least one potential research partner to collaborate with technology partners
m) Decision on how to share information (content and procedure related)

mICF Foundation

n) OKRs to operationalise mICF Foundation

6 PROPOSED AGENDA FOR KUWAIT

Date/Time	Topic	Facilitator
Tuesday 2 April		
19:00 – 21:00	*Dinner*	
Wednesday 3 April		
08:00 – 08:30	Welcome & Introductions	Stefanus
08:30 – 10:30	Overview and discussion: • Recap mICF Big picture • Progress made • Organisational structures agreed upon (including advisory board) • What is unique to mICF and that/how it should be preserved and protected • OKRs for 2019	Stefanus & Olaf
10:30 – 10:45	*Break*	

10:45 – 12:15	**mICF Foundation**
	
	1. Finalise formation of mICF Foundation (e.g. comply with all formalities, Trustees, Bank account, etc.)
	2. Strategic planning: Finalise objectives, key results and plans for the next year
	3. Discussion & Decisions on specific issues:
	  a. Identify research partners with the capacity to participate in the functioning of the mICF Foundation
	  b. Identify those willing and able to become active role players in 2019/20: Search for linkages to existing skills and capabilities, internal and external, and how to align them
	  c. Decision: to join Global Mydata Initiative.
	  d. Define easy ways to have health indicators from collected data.
	  e. First steps to apply for a research grant
		Olaf

12:15 – 13:00	*Break*	
13:00 – 14:30	**FunctionMapper discussion:** 1. Population of FunctionMapper 2. Specifications of the FunctionMapper frontend and backend 3. Plan how to utilise FunctionMapper, including a commercialisation model for the mICF Foundation	
14:30 – 15:00	**Minimum viable product (MVP):** 1. Patient journey	
15:00 – 15:15	*Break*	

15:15 – 16:30	**Minimum viable product (MVP) continue:** 2. Screen flows of MVP 3. Objectives, key results and plans to develop horizontal and vertical applications for an MVP(s) over the next 12-18 months, including achievable plans for country implementation and the role of each partner/individual	

16:30 – 18:00	**mICF Ecosystem**
	
	1. Reach agreement on the proposed mICF Ecosystem model:
	    a. Formation of IPHoldCo
	    b. Identify OpsCos and their relationships
	    c. Assemble Advisory Board(s)
	    d. The legal issues to be solved
	    e. Plan (including budget) how to proceed with the application for funding/investment.
	2. Decide on leadership team(s)	

18:00 – 18:15	*Break*	
18:15 – 19:00	Wrap up	
20:00	*Dinner*	

7   PREPARATORY WORK TO BE COMPLETED BEFORE MEETING IN KUWAIT

The following tasks need to be prepared as discussion documents for the Kuwait meeting. Everyone who would like to contribute to the work can contact the responsible partners

Item	Persons responsible and to gather team to complete the task
1. Draft document on what is unique to mICF and that/how it should be preserved and protected.	Olaf
2. Prepare additional information documents to clarify entities and legal framework concepts.	Flip
3. List of potential Advisory Board Members	Stefanus
4. Identify potential research grants and investor(s) to assist with development of at least one MVP	Joanne & Gonda
5. Compile draft specifications for the FunctionMapper frontend	Heidi, Stefanus, Olaf & Flip
6. Draft version of a patient / health professional journey taking into consideration the with markable improvement in patient-reported outcome measures	Stefanus, Sabina, Olaf

7.1   TARGET DATES FOR THE COMPLETION OF THE DISCUSSION DOCUMENTS:

1. Completion of first draft of these documents: 4 March
2. All partners comment on draft discussion documents: 18 March
3. Completion of second draft and distribution to all partners: 25 March