



HEALTHDATA.BE 4 NGS

Symposium Next-generation-sequencing in (hemato)-oncology
in the Belgium Healthcare system

2016.10.25, Brussels, Passage 44





AP1 >

GMD = EMD => Sumehr



AP2 >

DPI hospitalier



AP3 >

Schéma de médication



AP4 >

Prescription électronique



AP5 >

Partager les données via le système hubs & metahub pour les hôpitaux généraux et universitaires



AP6 >

Partager afin de Collaborer



AP7 >

Etablissements psychiatriques et autres et système hubs & metahub



AP8 >

Installation d'un Instrument d'Évaluation uniforme (BeIRAI)



AP9 >

"Incitants à l'utilisation"



AP10 >

Accès aux données par le patient (PHR)



AP11 >

Communication



AP12 >

Formation et soutien ICT des dispensateurs de soins



AP13 >

Standards et politique de terminologie



AP14 >

MyCareNet



AP15 >

simplification administrative



AP16 >

Traçabilité des implants et des médicaments



AP17 >

Utilisation généralisée de la eHealthBox et des données de dispensateurs de soins disponibles dans CoBRHA



AP18 >

Inventaire et consolidation des registres



AP19 >

Mobile Health



AP20 >

Gouvernance, implémentation et monitoring e-Santé



Our ambition

1

technical implementation: free & open
information architecture: tech. neutral
technical service desk
set of **business processes**

Max. re-use existing data (“only 1ce” registration): RWD!

Each DP receives **timely feedback** reports within 1 reporting environment



Less administrative burden, higher efficiency, more time for patient, higher quality of care, more time for “research”, higher quality of research, lower costs

View @ top Mount Everest (8848m)

“Closest place to heaven on earth”





**Top Mount Everest
8.848m**

Lhotse 8.516m

Nuptse 7.861m

Are we there yet? →

Kamp IV
7.906m

Kamp III
7.158m

Kamp II
6.474m

There is still a slippery slope to climb →

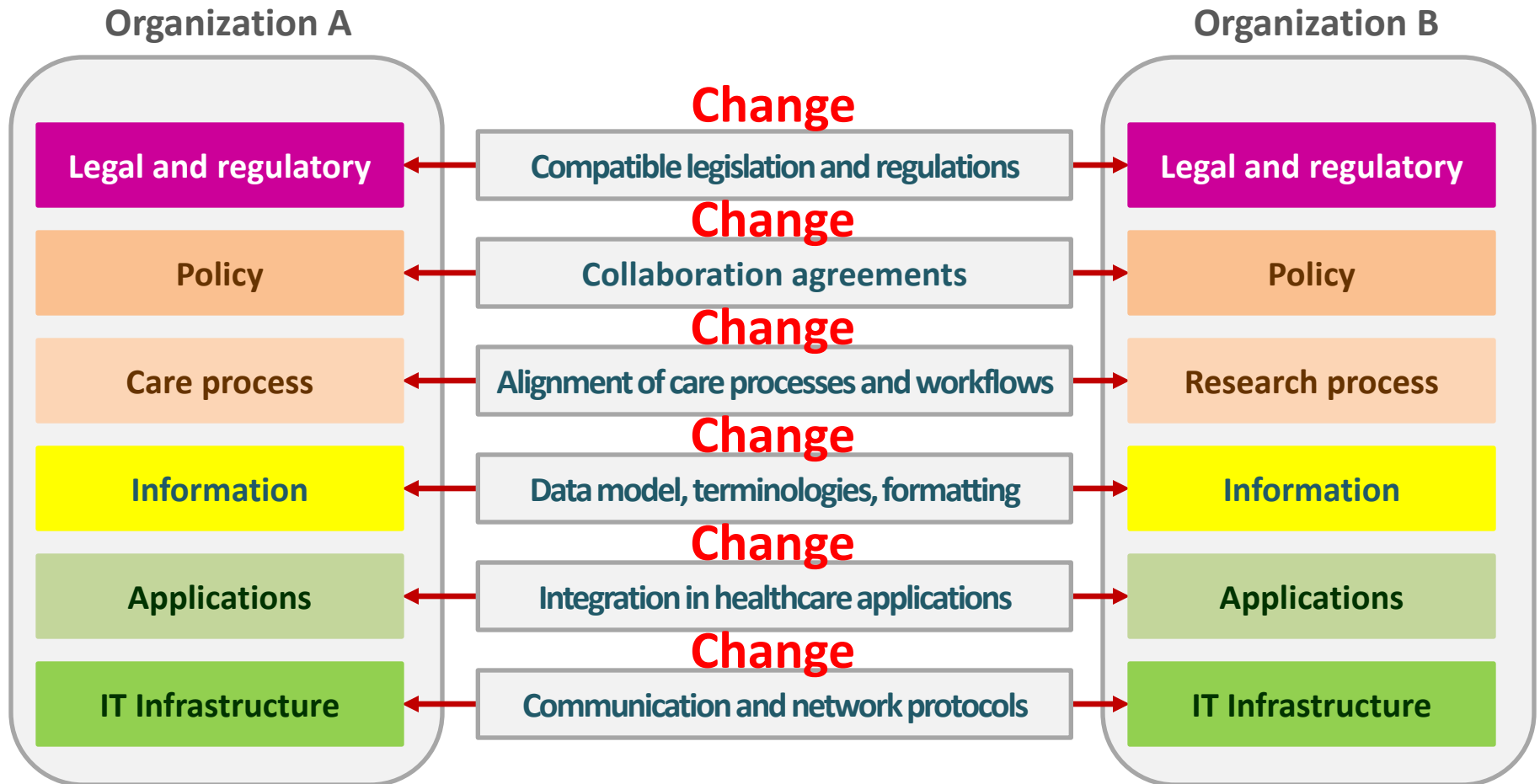
Khumbu-
gletsjer

Kamp I
6.035m

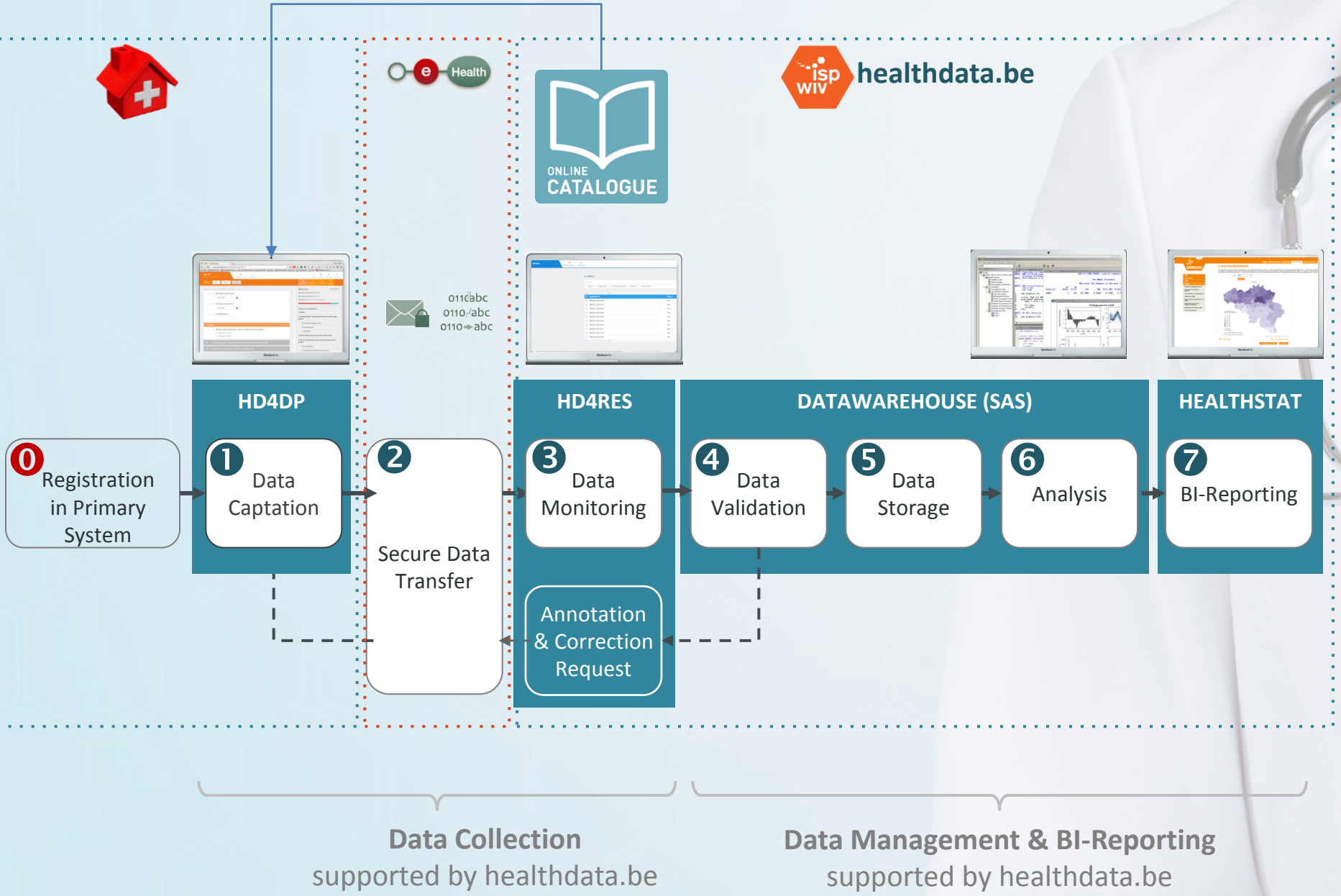
No, we are here! →

Basiskamp 5.334m

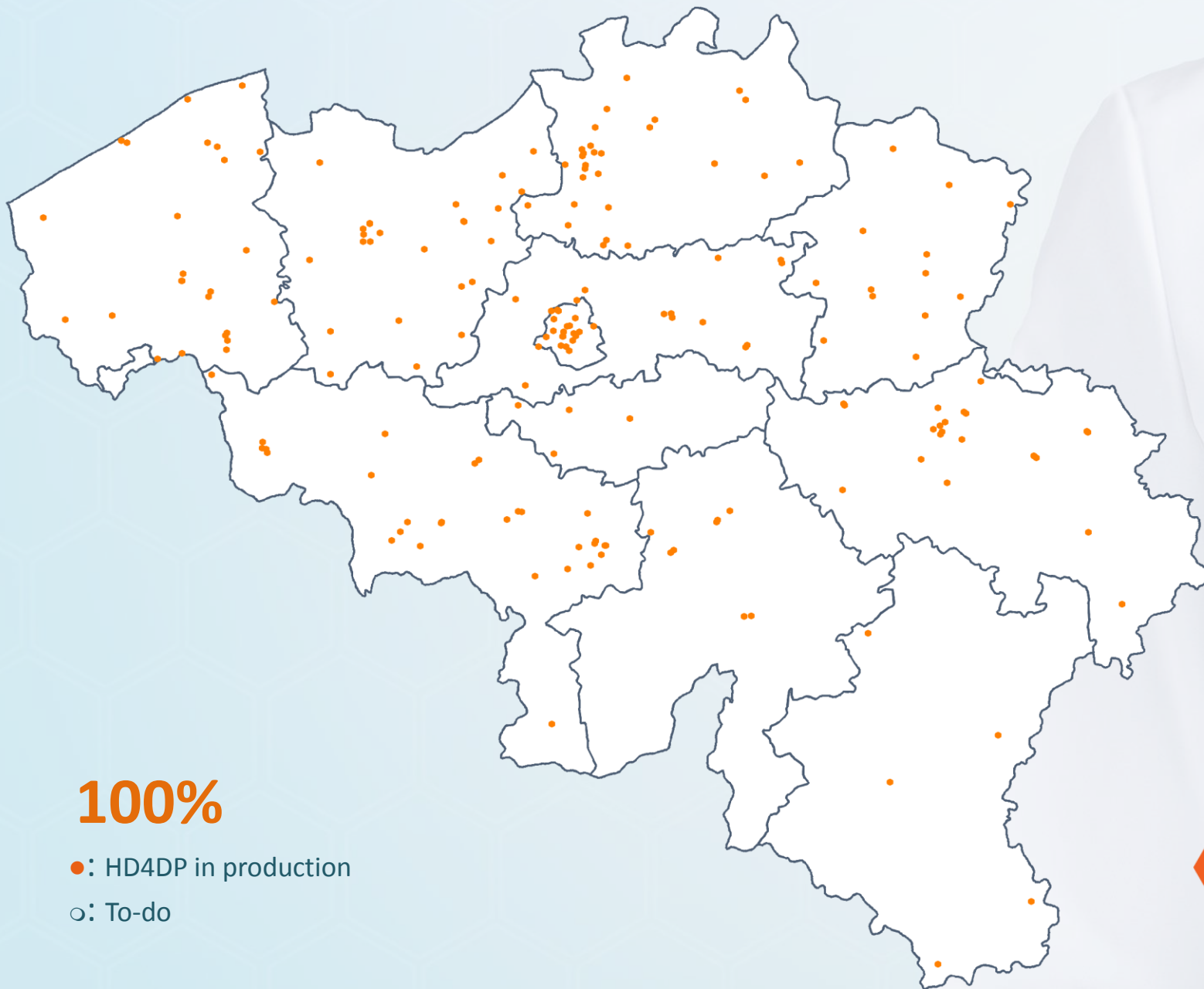
The collection of medical data: need for “interoperability”



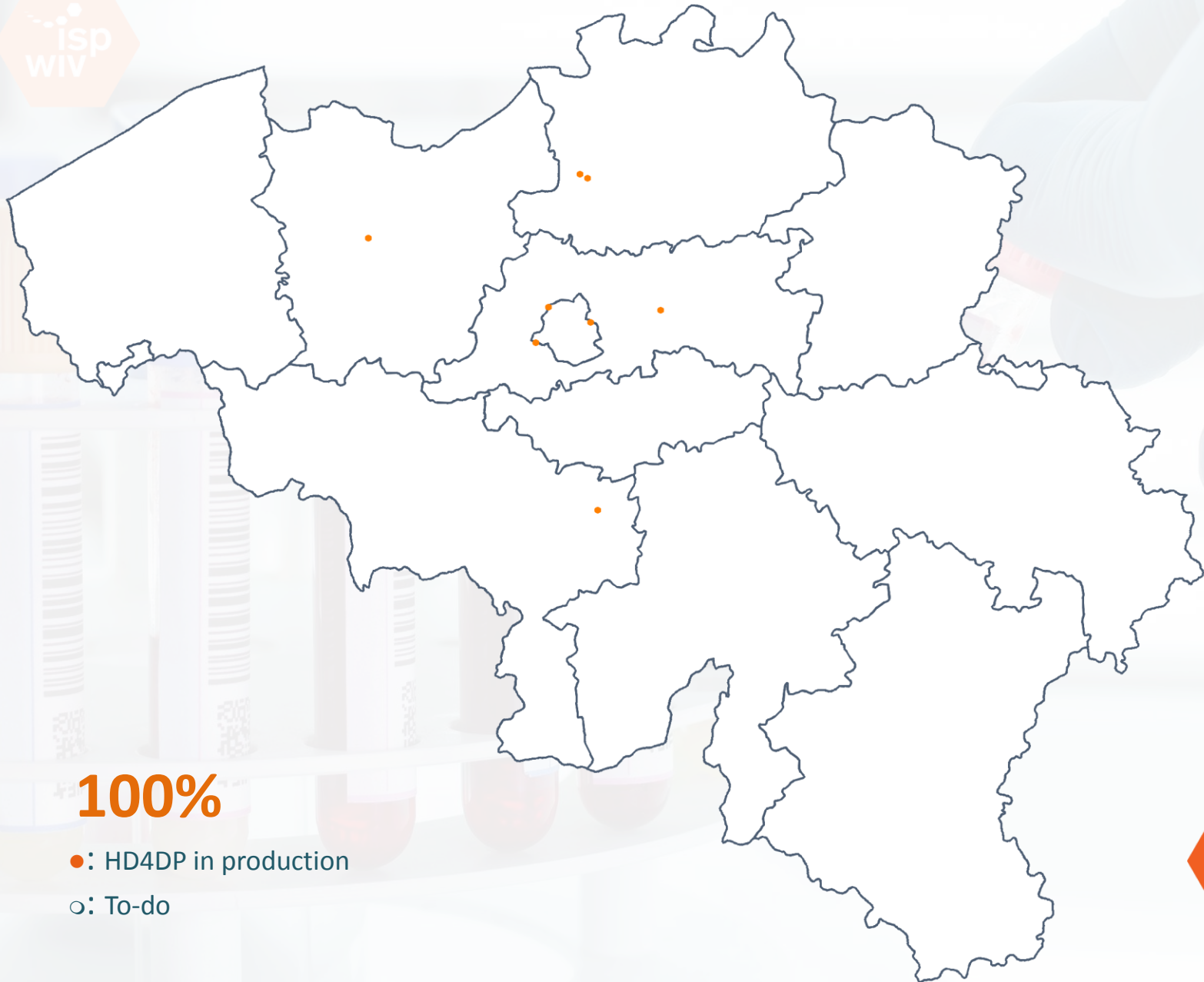
Our approach



Deployment HD4DP in Belgian general and academic hospitals (campus level)



Deployment HD4DP in Belgian laboratories human genetics

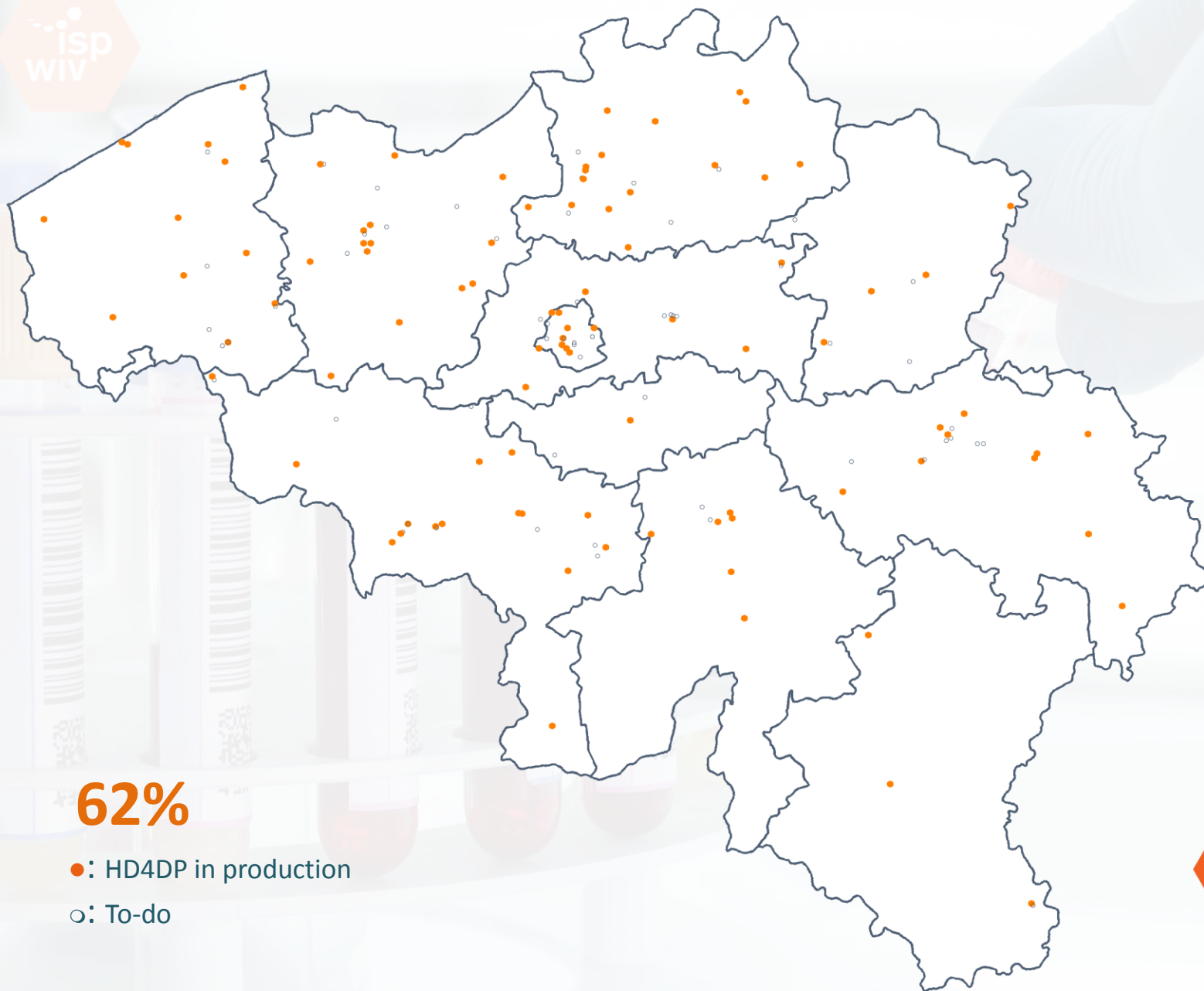


100%

- : HD4DP in production
- : To-do



Deployment HD4DP in Belgian laboratories clinical biology



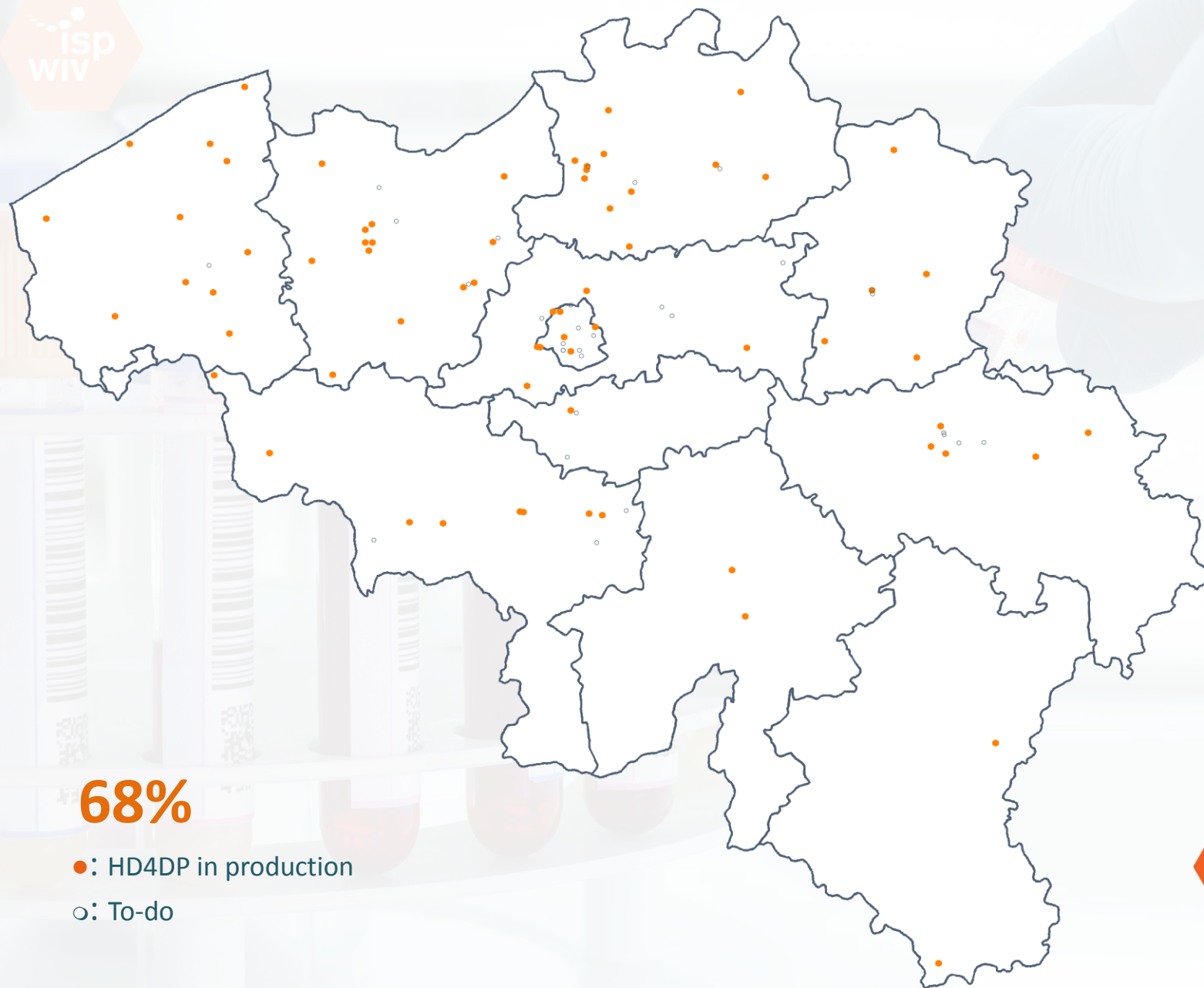
62%

●: HD4DP in production

○: To-do



Deployment HD4DP in Belgian laboratories anatomical pathology

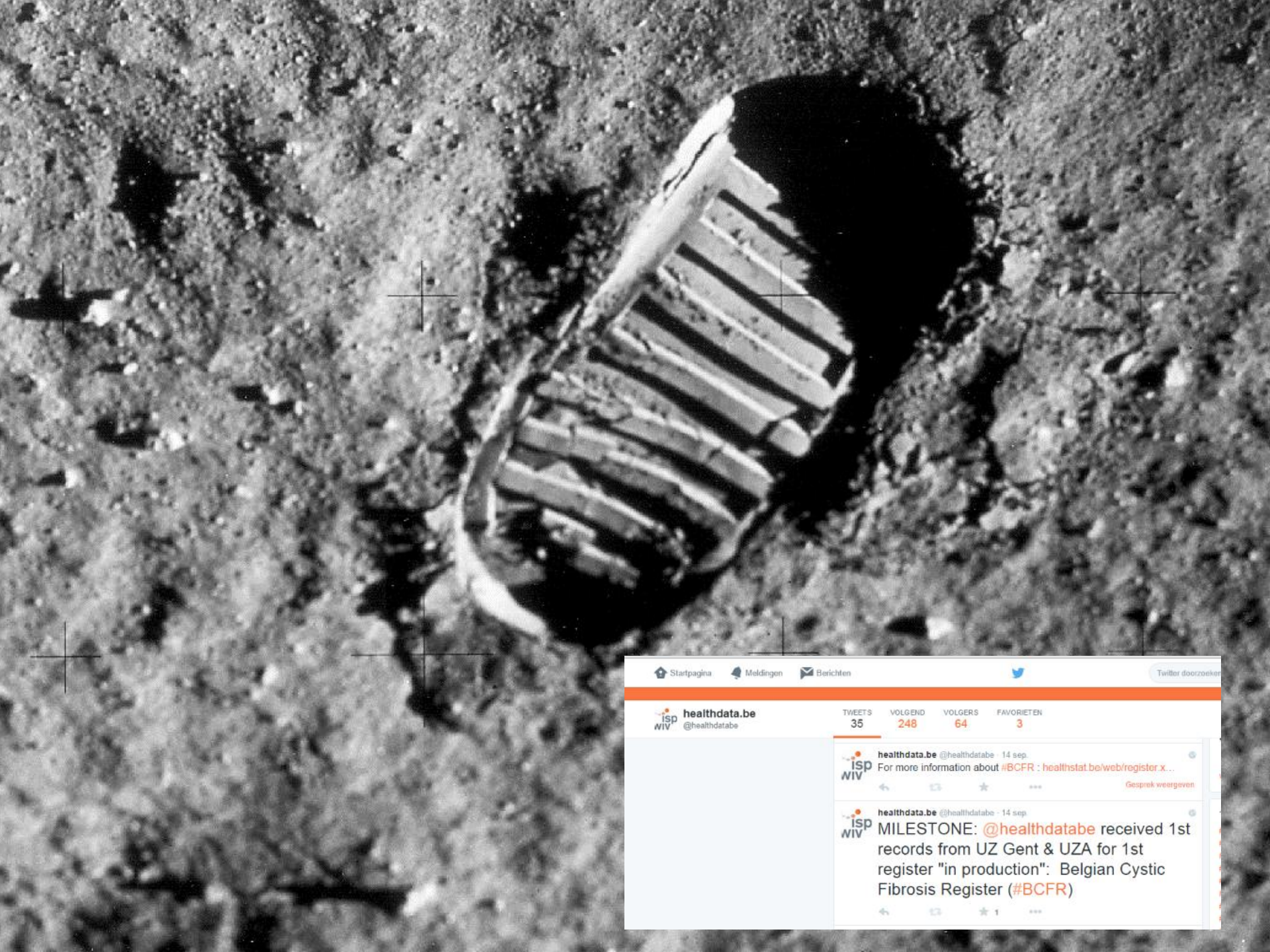


68%

●: HD4DP in production

○: To-do





Startpagina Meldingen Berichten  Twitter doorzoeker

 **healthdata.be**
@healthdatabe

TWEETS	VOLGEND	VOLGERS	FAVORIETEN
35	248	64	3

 **healthdata.be** @healthdatabe · 14 sep.
For more information about [#BCFR](#) : [healthstat.be/web/register.X...](#)
[Gesprek weergeven](#)

 **healthdata.be** @healthdatabe · 14 sep.
MILESTONE: @healthdatabe received 1st records from UZ Gent & UZA for 1st register "in production": Belgian Cystic Fibrosis Register ([#BCFR](#))



Project lead



Sponsored by



Sponsored by



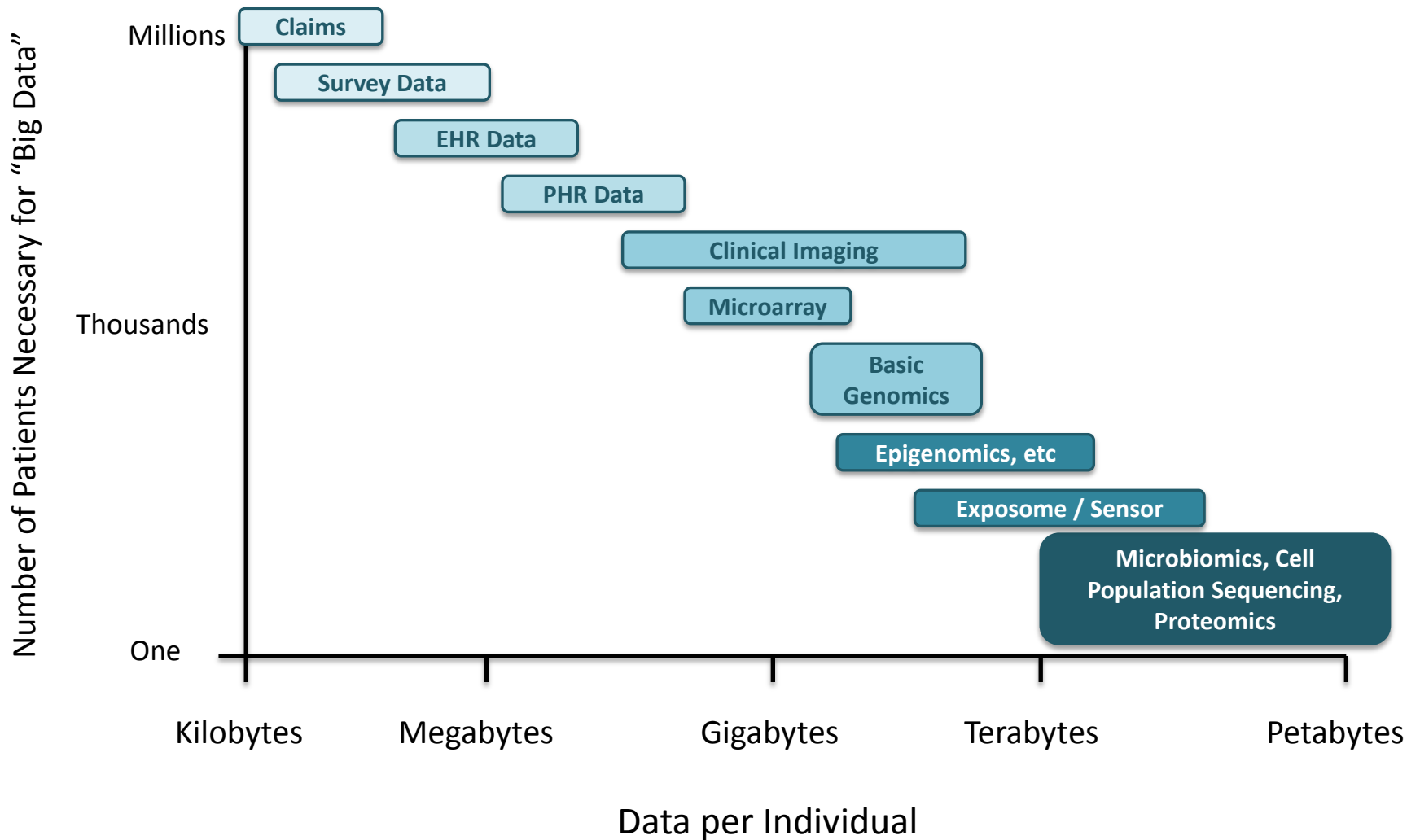
Commissioned by



NGS

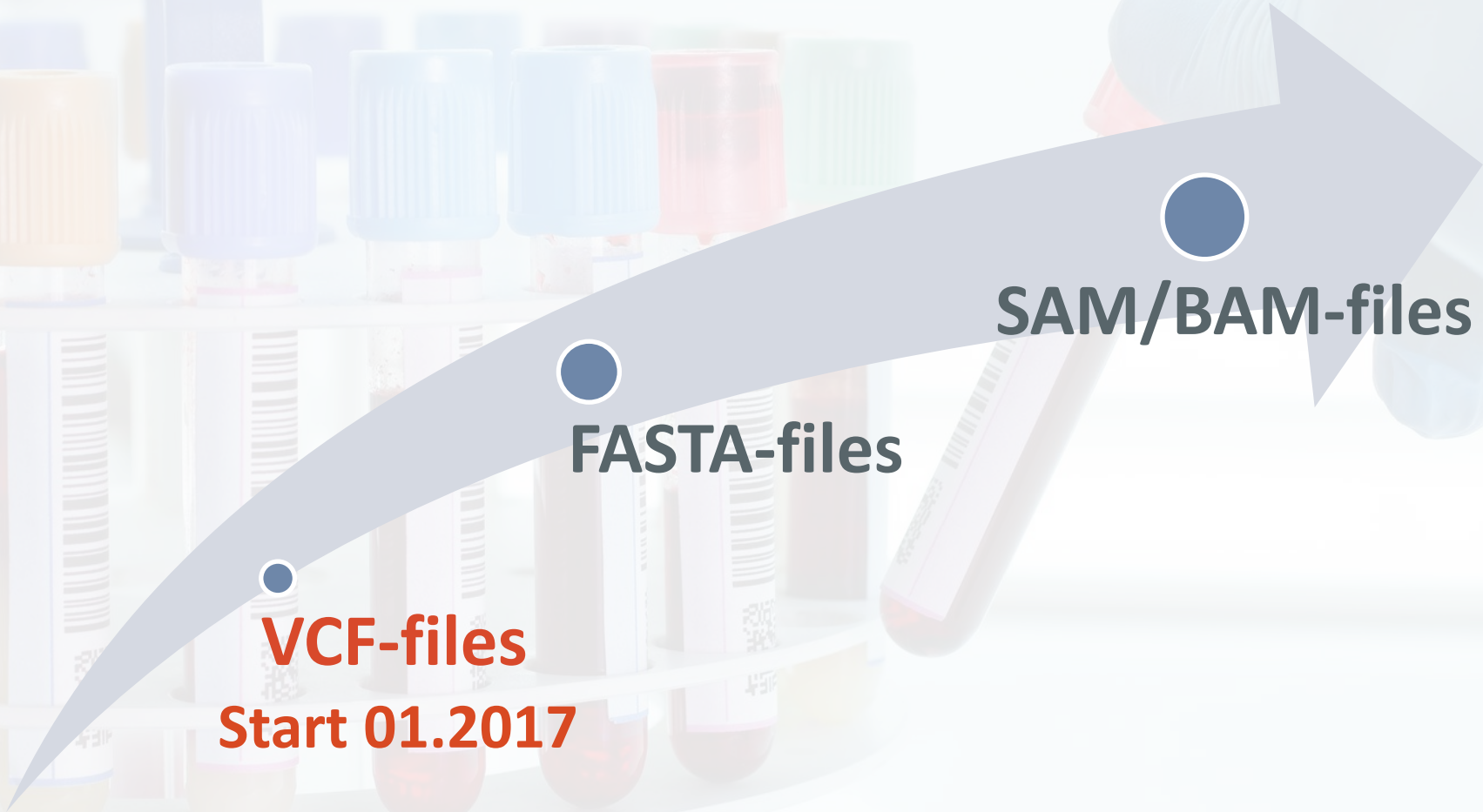
- Roadmap “Next Generation Sequencing”, started Q1 2016: *healthdata.be* coordinator for WP data management. Stage 1: transfer of VCF-files by laboratories to healthdata; stage 2: transfer of fasta-files by laboratories to healthdata. Main focus of project = **quality of NGS testing**,
- **Precision Belgium**, project by the Belgian Society of Medical Oncology (BSMO) : in close collaboration with project team Roadmap “Next Generation Sequencing”: VCF-files will be used for **inclusion patients in existing and new clinical trials of the BSMO**.
- **Cancer Registry Foundation**, focus on **epidemiology**.

NGS: Size matters!





Think big, start small



VCF-files

Start 01.2017

FASTA-files

SAM/BAM-files

NGS

version: v1.0
status: active

start date: 01/08/2016

[How to interpret this data collection definition?](#)

- Full View
- CSV Column Names
- Reference Lists
- Inclusion criteria
- CSV extract

1 Patient identification

National registry ID of the patient

patient identifier

Technical specs

CSV column name:	patient_id
Required:	true

Clinical building block mapping (indicative only)

Concept:	be.en.hd.Patient
Data element:	PatientIdentificationNumber

Fields

Internal patient ID

text

Help

This field can be used to enter an internal ID or reference number. It is available for internal use only and is not transferred to Healthdata. If there is an integration between HD4DP and your organisation's patient administration system, additional patient identification information such as date of birth, sex and SSIN can be automatically enriched based on this internal patient ID. Please do not encode the social security identification number (SSIN) in this field.



The healthdata.be team proactively consults clinicians, technicians, software developers and researchers for the design and implementation of its solutions.



Q&A



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