

OF

Towards a skills labourmarket

19 February 2020



Voor een toekomst die werkt.

HOUSE

SKILLS

18 initial partners, September '17

- City of Amsterdam
- Governments Amsterdam region
- Trade unions FNV, CNV
- Employment Agencies Manpower, Randstad
- Universities (e.g. Applied Science)
- Vocational Education Institutes
- PES Amsterdam
- Employers' association



Opening 'De Werkvloer' OBA, June '19



100 partners, 60 innovation deals, December '18

- Lateral entry: skillsbased matching programs for health care professionals, pharmacy assistants, webdevelopers, auto mechanics, engineers;
- Development skillsbased vocational training programs
- Development of skillspassports
- Life long learning programs for SMEs
- Action perspective for workfloor learning

Mismatch between supply and demand



What do we do?

ASSESSMENT

We are en route to a skills passport for travelling **from job to job** (besides diplomas).

TRAINING

The working population can receive the right **refreshment courses and/or training** they need to find jobs in sectors with a high demand for personnel.

MATCHING

We bring together **tasks and skills**, instead of jobs and diplomas.

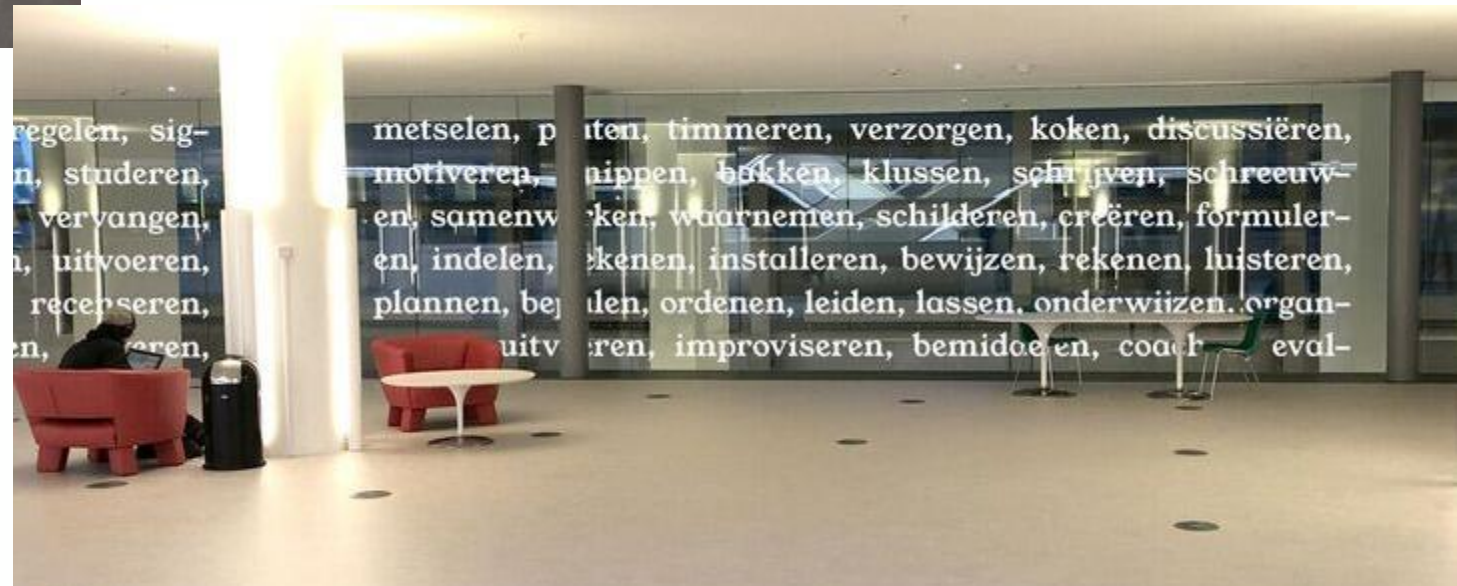
MONITORING

We develop a skills monitor for supply and demand that makes current job market information available and thereby facilitates **intersectoral mobility between jobs**.

PLATFORM
MyHouseofSkills

BUSINESS CASE
operating, finance and government

Work experience hub



Common skills language



Job seeker



Vacancies



Training & schooling



European
Commission



Taxonomy/ ontology

ESCO

COMPETENT/ ROME₃

O*NET

ESCO

European Classification of
Skills/Competences,
Qualifications and Occupations

The first public release

Platform *myhouseofskills*: skillsbased job orientation , matching and education

 Beroepen

 Vacatures

 Profiel

Beroepen

**baliemedewerker
bankbedrijf**

 9999 Vacatures




**administratief medewerker
verzekeringen**

 9999 Vacatures




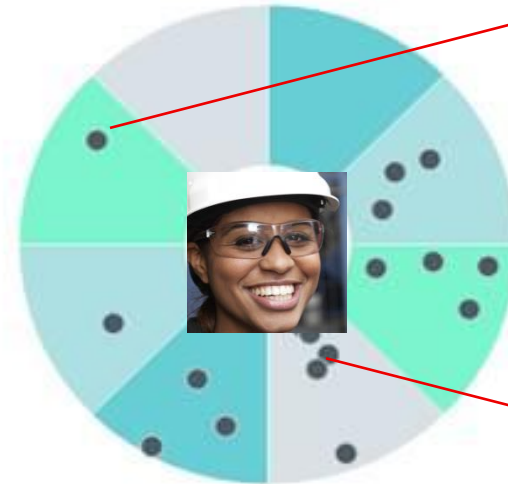
**administratief medewerker
investerings**

 9999 Vacatures



Gerelateerde beroepen

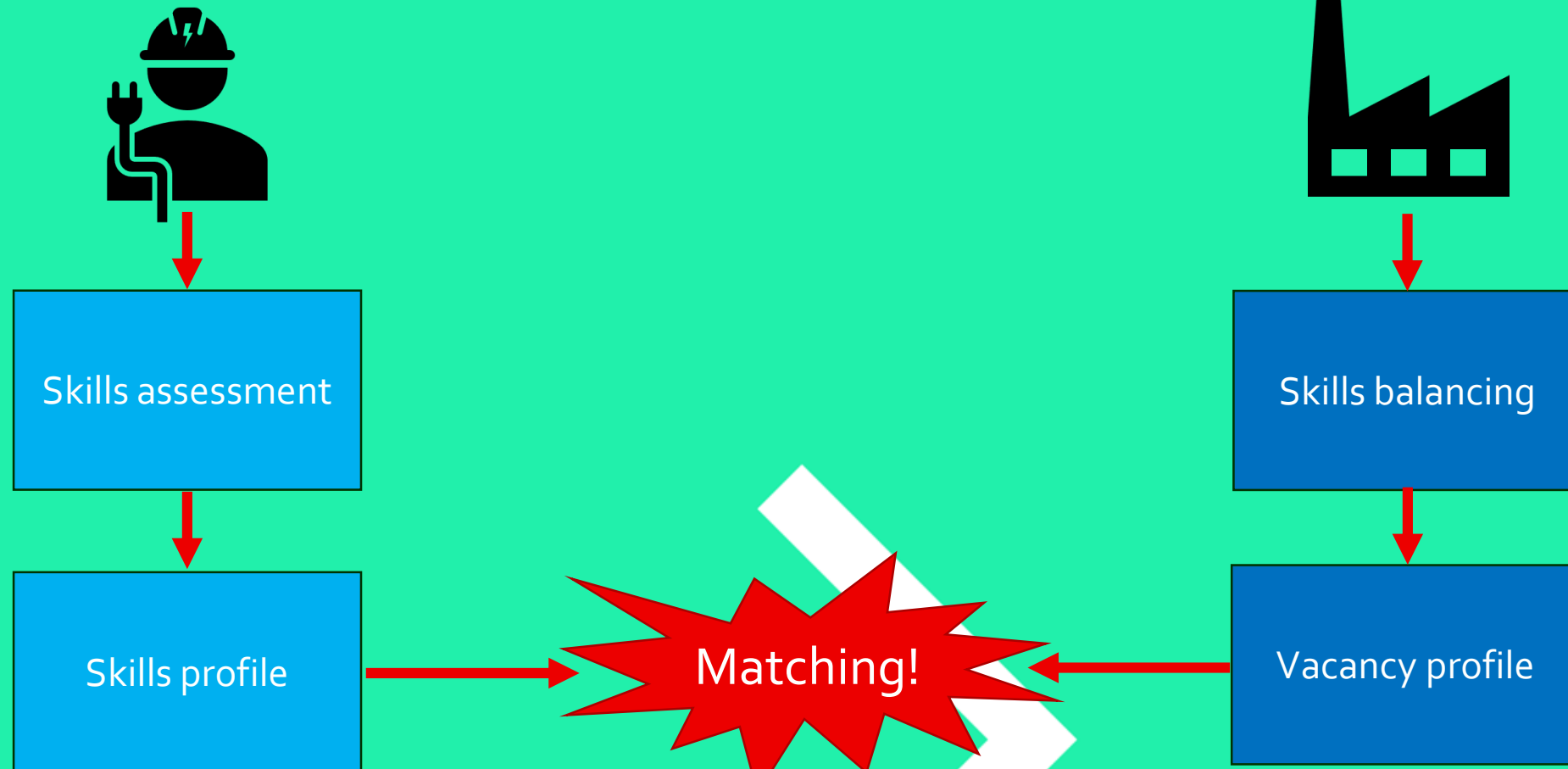
Klik op een vlak voor een beroepsgroep. Scroll naar beneden voor meer beroepen. 



Building

Finance

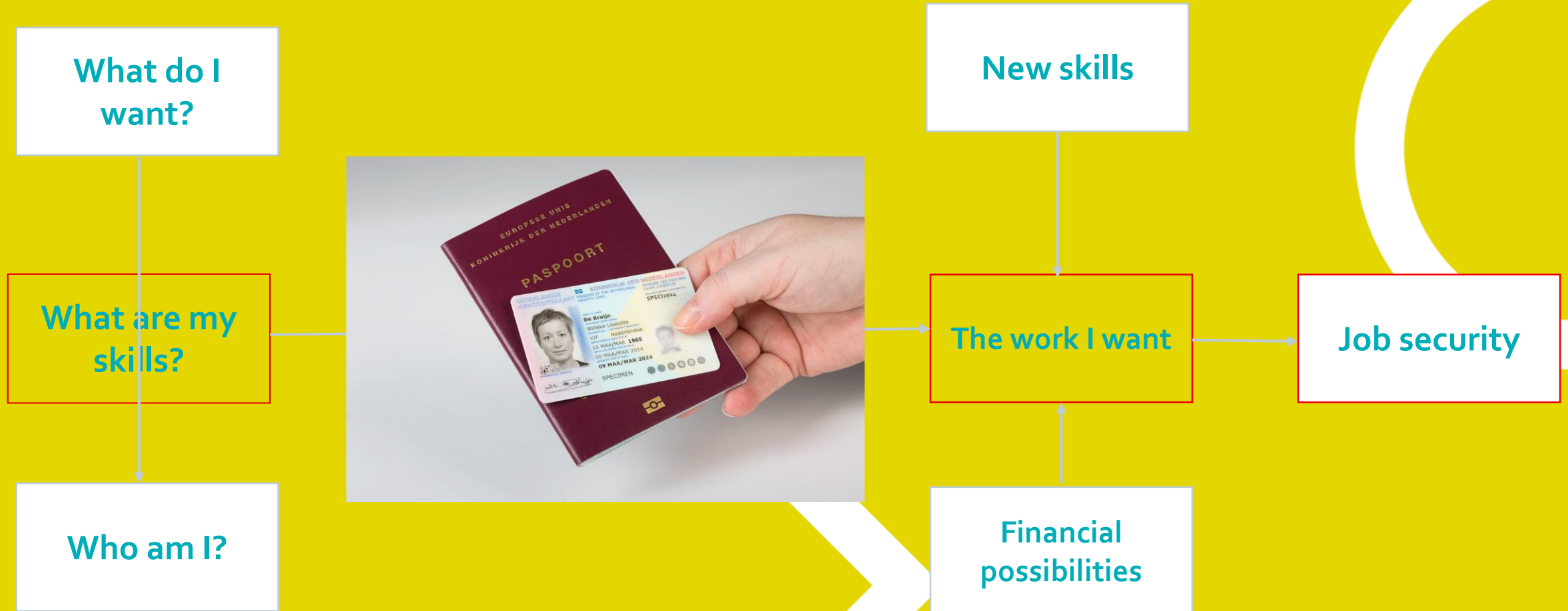
Fitting Room (De Paskamer)



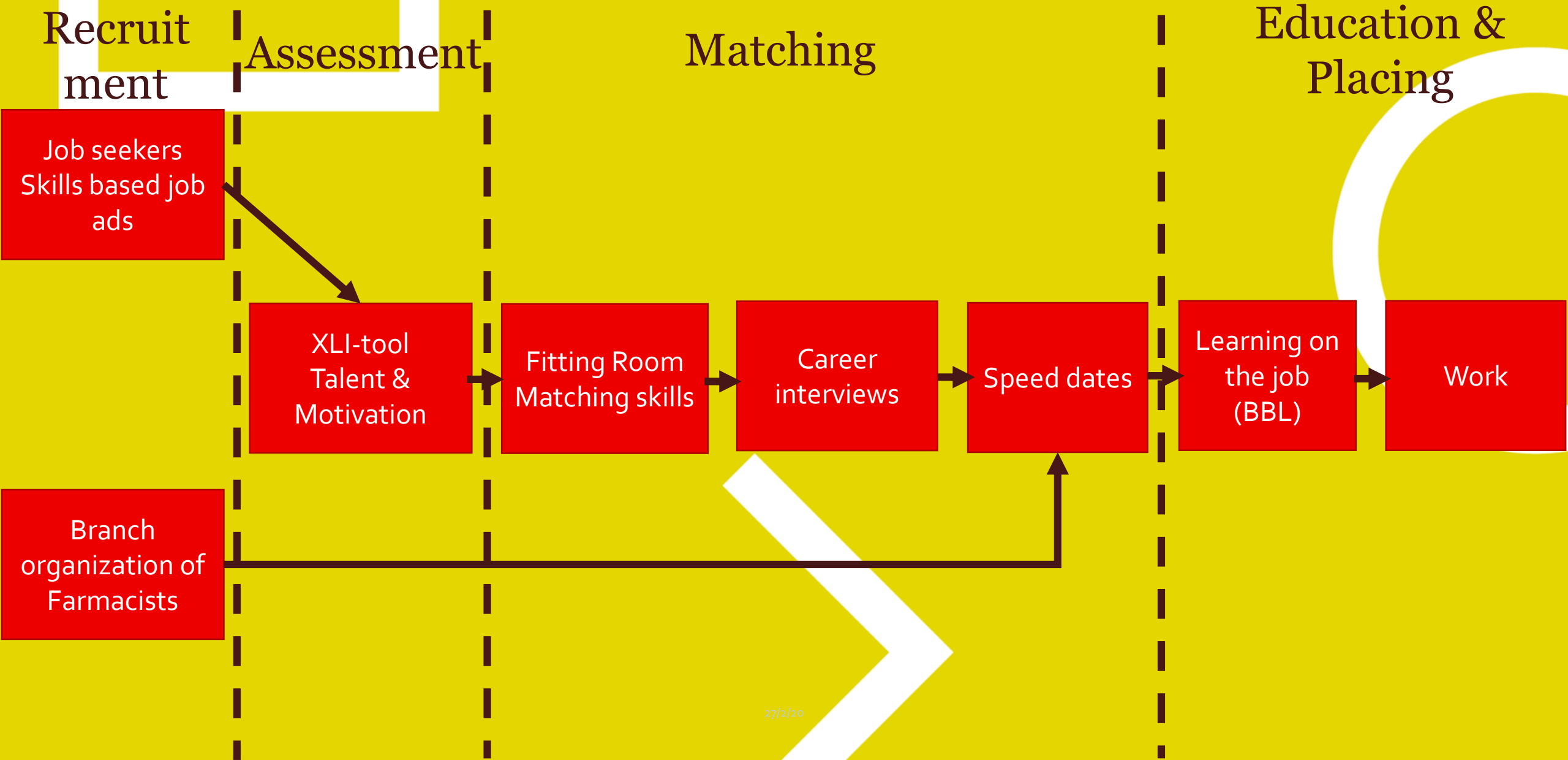
<https://perfect-fit.baanadvies.nl/login>

Skills passport

to navigate accross the labour market



Pilot Farmacist assistants





“I have never tried that before, so I think I’ll definitely be able to do it.”

Pippi Longstocking

Platform Myhouseofskills

Goal

"Platform with the goal of facilitating and improving connections and recommendations between individuals, training courses, jobs and vacancies ."

- **Myhouseofskills**: Display participants, training courses and jobs/vacancies as skills sets that can change over time.



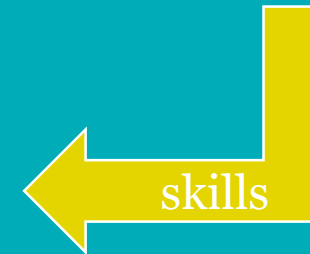
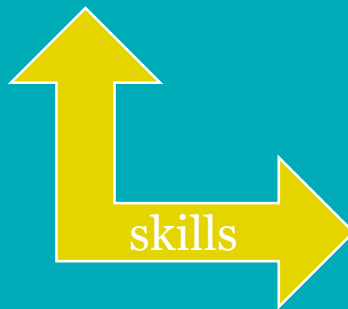
Common skill language



Job seeker



Job openings



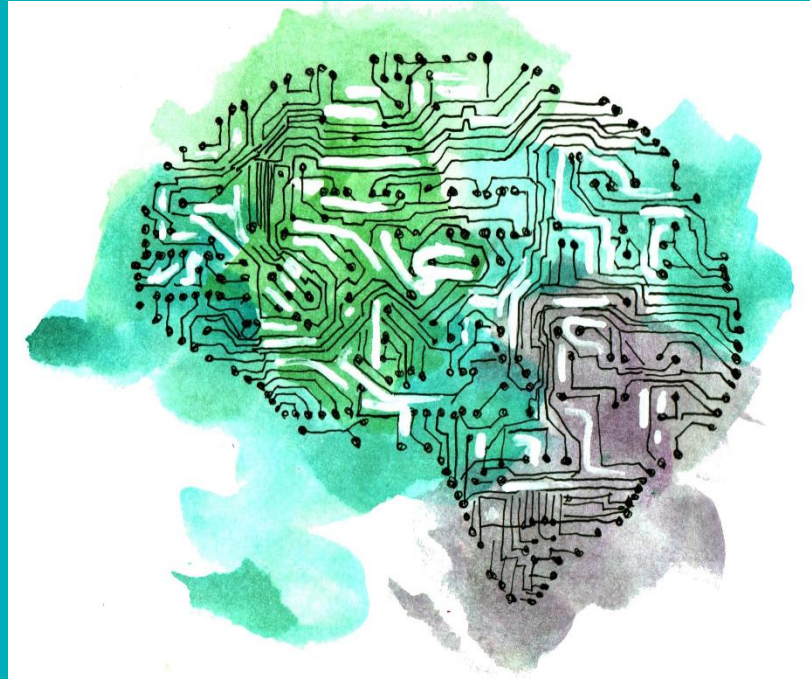
Education & training

Taxonomy use Myhouseofskills

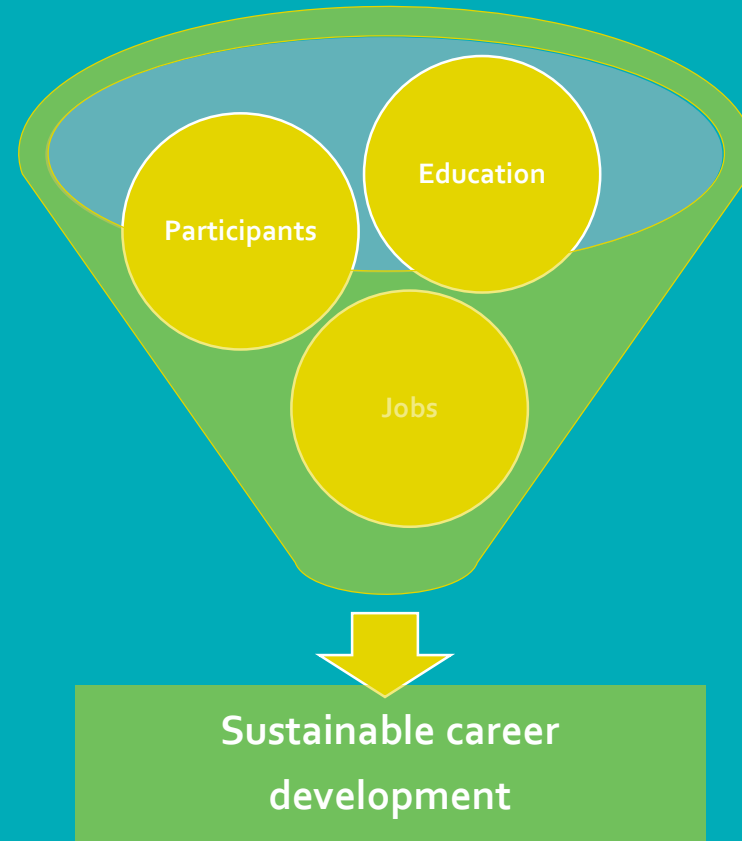
EXPERT-ORIENTED TAXONOMY



DATA-DRIVEN TAXONOMY



Myhouseofskills: development strategy



- Each component is initially given a basic functionality
- In each subsequent step innovations are implemented for each component
- Improvement takes place in a systematic and scientifically based way
 - Revealed preferences
 - AB tests

Myhouseofskills: Development strategy - participant/profile

← Beroep

apothekersassistent ❤️

Apothekersassistenten vervullen algemene taken, zoals voorraadbeheer, kassa's of administratieve taken, die de inventaris binnen de apotheek verzorgen onder toezicht van een apotheker.

Praktijkleren: Apothekersassistent Link kopiëren

APOTHEKER ASSISTENT

Esco Beroep: [apothekersassistent](#)

[Vacatures](#) [Vaardigheden](#)

115 vacatures gevonden

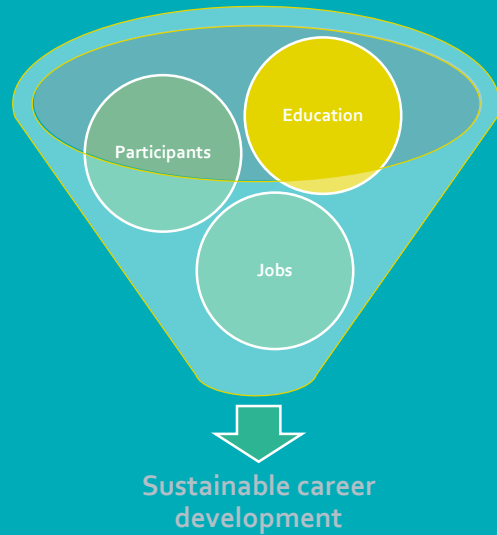
Apothekersassistent
📍 Amsterdam 📅 04-02-2020

Apothekersassistent

➤ What's already there?

- Participant creates profile based on career history
- Elastic search for unambiguous labelling of professions
- Participant indicates preferences (e.g. travel distance to a job)
- Occupational board with semantic distance of occupations from the participant.
- Information videos of professions
- Access to 9 million vacancies

Myhouseofskills: Development strategy - education/training



- What's already there?
 - No possibility yet to define skills-based training
- What's coming?
 - Input window for individual training history
 - Skills suggestions (ML, NLP) training information
 - Cooperation: SBB (Dutch organisation for secondary vocational education)

Recruiter: Vacature bewerken

Functietitel
Journalist

Beroep
journalist ✓

Locatie standplaats
Appingedam ✓

Plaatsingsdatum
2020-02-13

Sluitingsdatum
2020-04-23

Min. aantal uren
32

Max. aantal uren
40

Ervaring
3-5 Jaar

Niveau
HBO/WO Master

Contract type
vast

Vaardigheden

- fotografieapparatuur gebruiken ✕
- specifieke schrijftechnieken gebruiken ✕
- tegen een deadline schrijven ✕
- zich aanpassen aan het type media ✕ +vaardigheid

Beschrijving

Paragraaf ▾ **B** *I* :: :=

Wie ben jij?

- Geïnteresseerd in mensen en bedrijven
- Nieuwsgierig van aard en gemakkelijk opgedane kennis op papier zettend
- Stressbestendig vanwege de vele redactionele deadlines
- Proactief ingesteld met verantwoordelijkheidsgevoel en een hands-on

Myhouseofskills: Development strategy - jobs and vacancies

- What's already there?
 - Real-time open and recent vacancies including metadata.
 - Employer functionality to upload skill-based vacancies
- What's coming?
 - Skills suggestions (word embedding) based on vacancy texts

OF

Thank you!

HOUSE

SKILLS

Annelies Spork

Program director

A.Spork@amsterdam.nl

Myhouseofskills:

Chris van Klaveren

ACLA VU Amsterdam

c.p.b.j.van.klaveren@vu.nl

Ilja Cornelisz

ACLA VU Amsterdam

i.cornelisz@vu.nl

Herman Miedema

Ditwerkt

herman@ditwerkt.nl

houseofskillsregioamsterdam.nl



Europese Unie
Europees Fonds voor Regionale Ontwikkeling
Europees Sociaal Fonds