

GeoMatch

Empowering migrants by using big data for better matching

Michael Hotard (IPL), Angie Delevoye (IPL), Tugrul Ejder (COA), Sarah Pennington de Jongh (COA)

Wat is waar over asielopvang?

A

Municipalities in the Netherlands have the task of housing 35.000 permit holders every year

В

Municipalities in the Netherlands have the task of housing 15.000 permit holders every year





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A

After 7 years, 65% of people with an asylum background in the Netherlands have a job

В

After 7 years, 45% of people with an asylum background in the Netherlands have a job

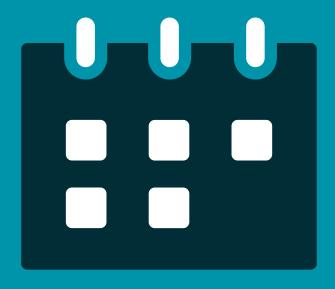
Wat is waar over asielopvang?



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В

After 7 years, 45% of people with an asylum background in the Netherlands have a job



Program

- Matching in the Dutch context
 - Discussion round 1
- GeoMatch (including demo)

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Discussion round 2



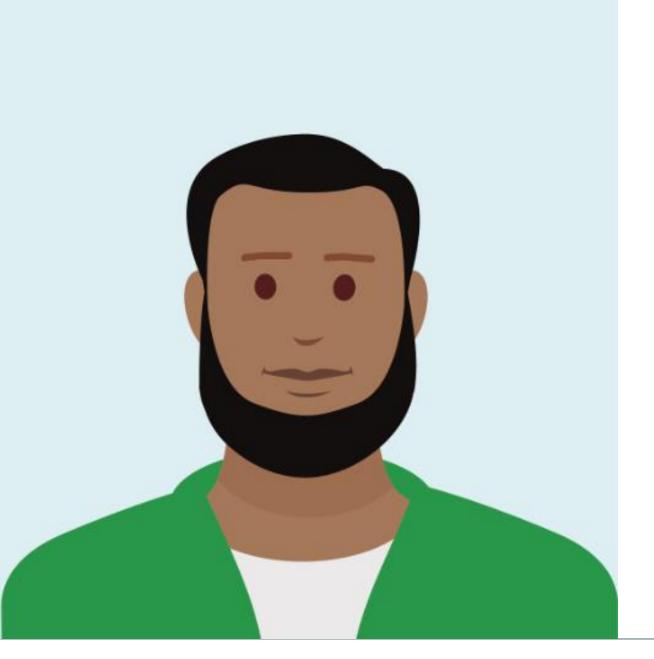
A new beginning

Matching permit holders

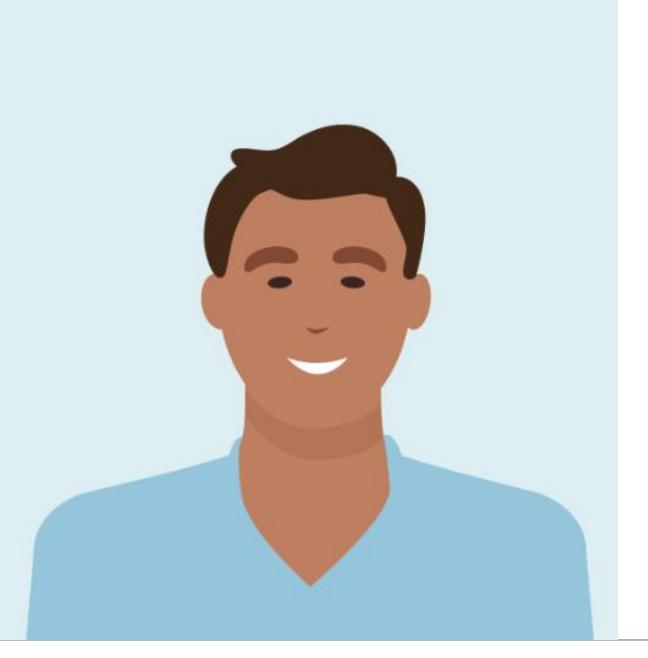
- The (municipal) task assignment.
- 35.000 permit holders

But where are the best opportunities to build a new life and contribute to society?





I am Ahmed and I want to work in the Netherlands



I'm Peter from COA and I want to help Ahmed

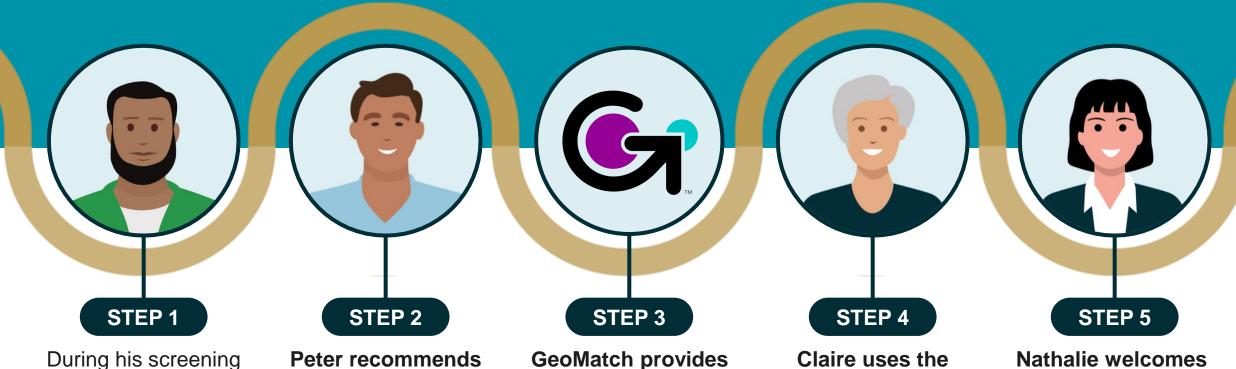


I am Claire from COA and I do the linking for Ahmed



I am Nathalie from Rotterdam and I need Ahmed

GeoMatch User Journey



During his screening and matching interview, Ahmed tells Peter about his background, connections, and goals.

Peter recommends up to three regions based on his conversation with Ahmed. GeoMatch provides
advice for three
regions based on its
predictive models.
Peter chooses the
regions to recommend
to Claire.

recommendations
to choose the
municipality where
Ahmed will be
placed.

Nathalie welcomes
Ahmed at his new
location. It's a
strong fit because it
was chosen using
Ahmed's input and
data-driven insights.

Let's discuss! Round 1

In which country do you work?

Is there a mechanism for matching migrants to parts of the country?

How do you measure / track if the matching is successful?

What is your biggest dream for your country?



GeoMatch - introduction

HOW LOCATION MATTERS FOR INTEGRATION:

The Power of Place



Where immigrants first arrive plays a critical role in determining their chances for integration.



Administrative data can provide insights into the locations where immigrants are most likely to integrate successfully.

Consider Switzerland

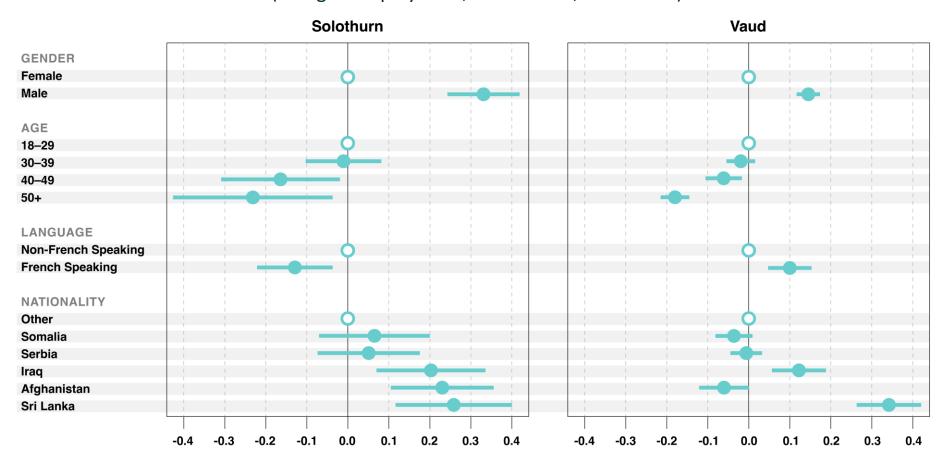




Solothurn Vaud

Synergies Between People and Places

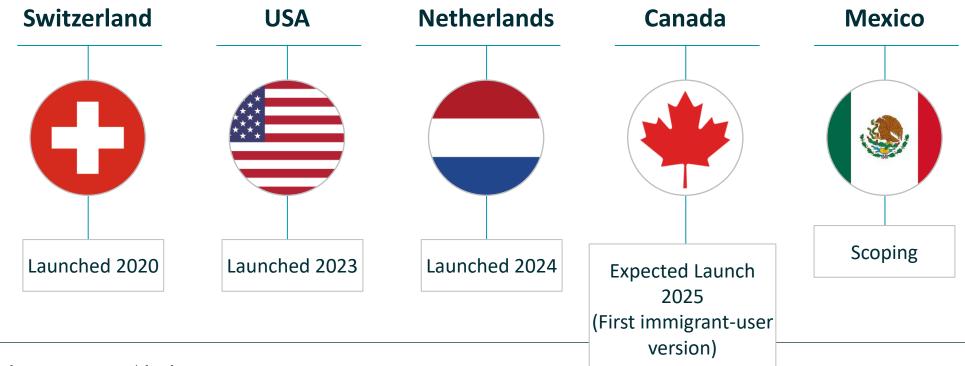
(Refugee employment, Switzerland, 1999-2013)



Change in Probability of Employment

Current Impact

- 12,000+ matches completed
- 85% reduction in staff time to make placement decision
- Projected 20-40% improvement in employment outcomes



Features of the Algorithmic Approach



Provides data-driven recommendation for each family based on their own unique characteristics and requirements



Designed to serve many clients without increasing costs, making it ideal for scaling impact



Can be designed to safeguard sensitive data and comply with legal requirements.



Makes data more visible, providing insights on how systems work and where they can improve



Demo - GeoMatch Web Application (Originally implemented in the United States)

Simplifying a Complicated Process

The process for choosing the best location is complicated

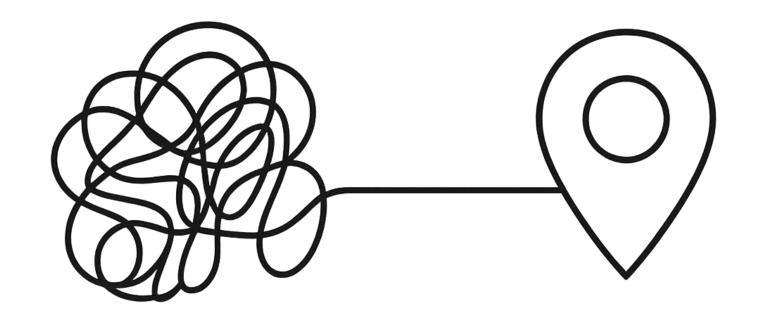
Capacity quotas

Medical issues

Family size

Changing locations

Shifting policies



Learning from Users

Understanding the user is key to creating a tool that brings value to their process



Focus Groups



Surveys



User Testing

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Let's discuss! Round 2

What is your first reaction to GeoMatch?

Do you use data to do matching between migrant and location and if yes: how?

In what way are migrants involved in this choice?

Are there any plans for using AI?



Thank you for your attention

Let's meet! mhotard@stanford.edu & tugrulejder@coa.nl

