Al Toolbox Waterkeringen

For digital inspection and monitoring







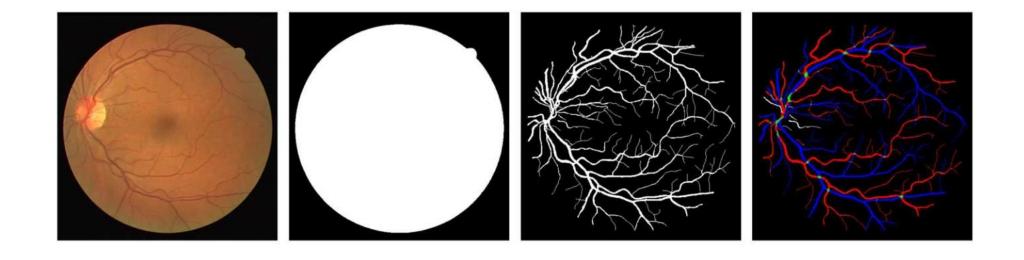






'Al is everywhere. We are all using it. All day, everyday. Whether you want it or not. How to use Al in a responsible way in the field of water?'









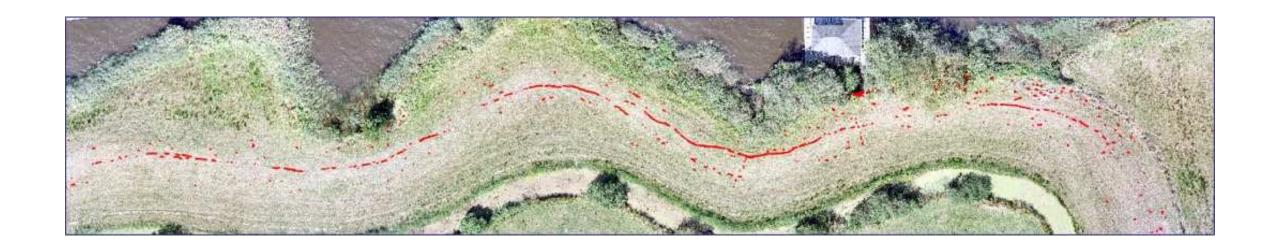




















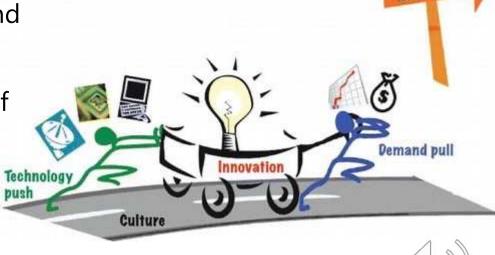
Al Toolbox Why do we do it?

- We inspect **thousands** and **thousands** of km's levees every year.
- We are more and more interested in differences of conditions on levees.
- Inspections are very labour intensive.
- Manually recording and processing of those damages costs a lot of time and effort (and works on your nerves)



Al Toolbox Why do we do it?

- Developments on Al are moving fast.
- Water boards also use more and more AI.
- We have to get used to working with those new tools to find responsible ways of implementation. (it is here to stay)
- This could truly **help** inspection and monitoring of levees. If we know how to use it.



Concept









What is it? Concept













it Opschot Scheurdetectie

Concept













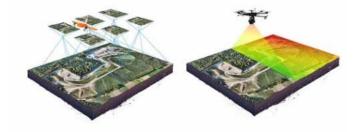


Concept











infrared: heat

LIDAR: structure, height, 3D



Concept







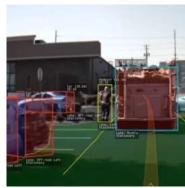


Good at repetitive tasks
Recording information
Exact location
tireless

Concept











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Recording information
Exact location
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Concept









Efficient and effective

Focus on important locations

Working in service of inspector

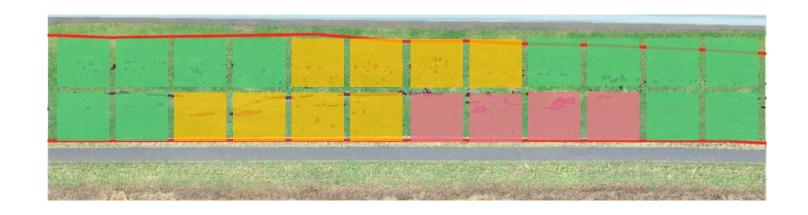
What is it? Concept





Efficient and effective
Focus on important locations
Working in service of inspector

What is it? Concept





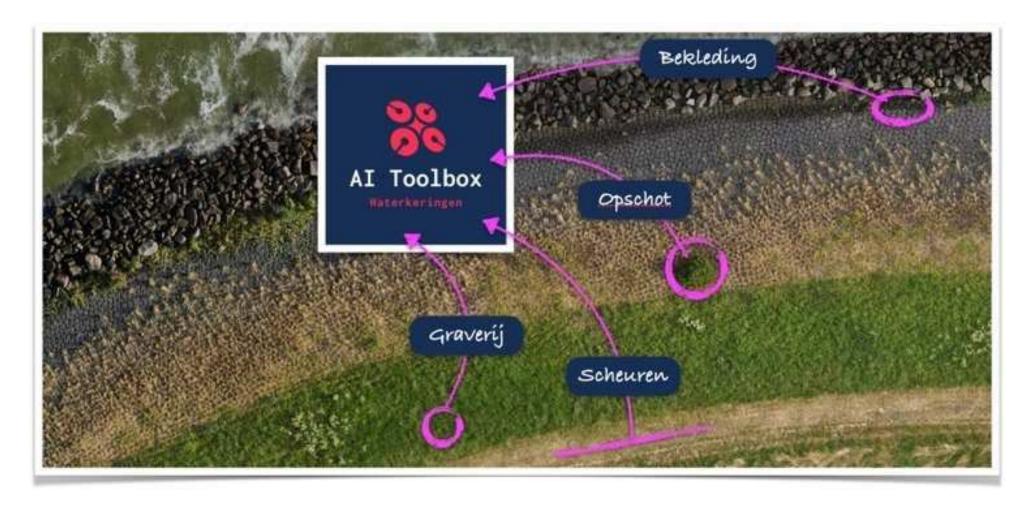
Efficient and effective

Focus on important locations

Working in service of inspector

Al Toolbox

How do we proceed?



Al Toolbox How do we proceed?

- 1. Development of other applications
- Open source location for algorithms and data for training
- 3. Learning on how to work together?

Al Toolbox How do we proceed?

Encouraging you to pioneer with us!

To build this together.

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