
GOING DIGITAL

Scotland's EIA Conference 2019

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Digital Planning Transformation Programme

Rhett Harris

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@DigiPlanningSG

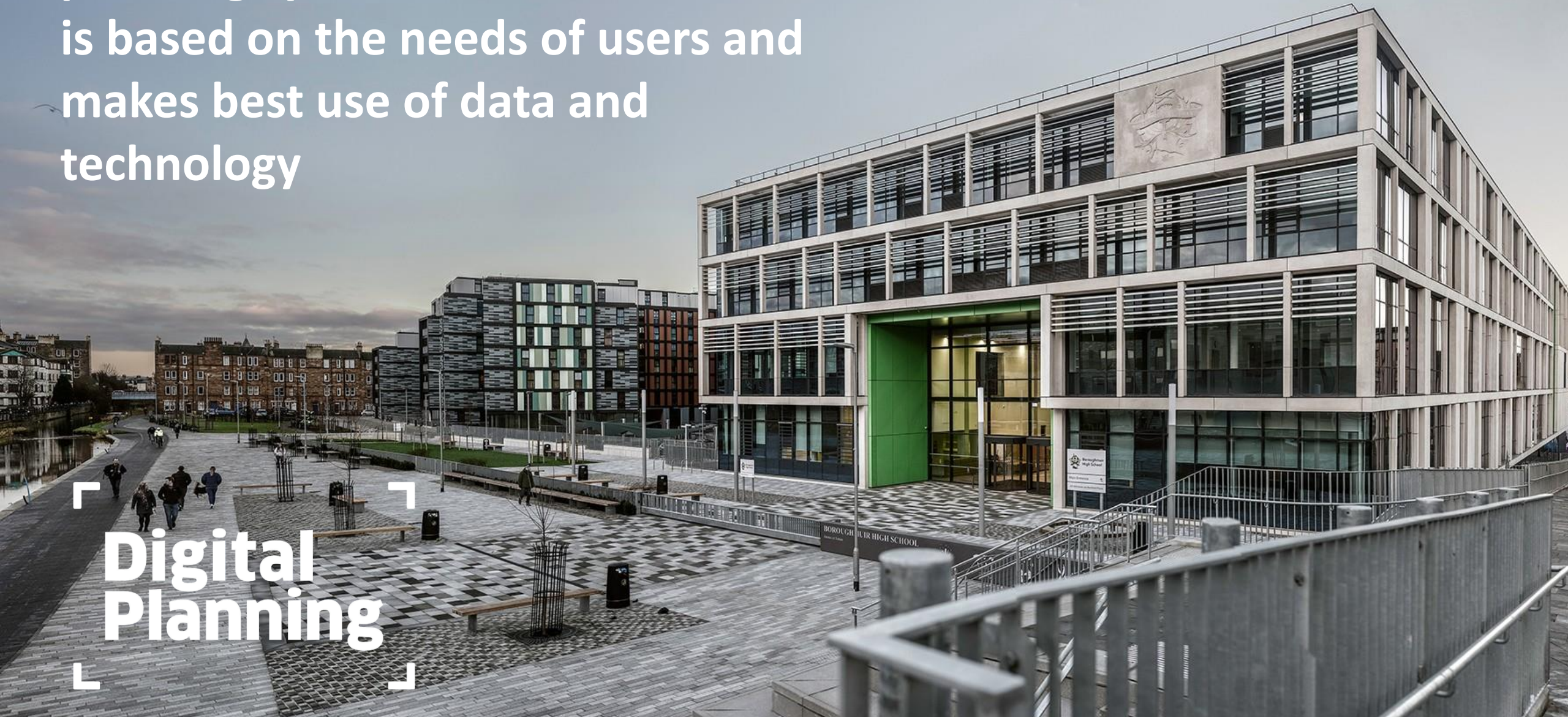
#empoweringplanning #digitalplanning

**Digital
Planning**



To create a world leading digital
planning system in Scotland, which
is based on the needs of users and
makes best use of data and
technology

「
**Digital
Planning**
」



Transformation Programme



People



Data



Shared Platforms



Process



Innovation

4 PROJECTS

- Changing Perceptions
- Meaningful & Inclusive Engagement
- Skills and Resources
- Supporting Change

4 PROJECTS

- Understanding our data
- Data Governance, Management and Standards
- Shared data platform and interoperability
- Realising Potential

4 PROJECTS

- Single Source of Planning
- Case Handling
- Plan Maker
- Digital Performance Framework

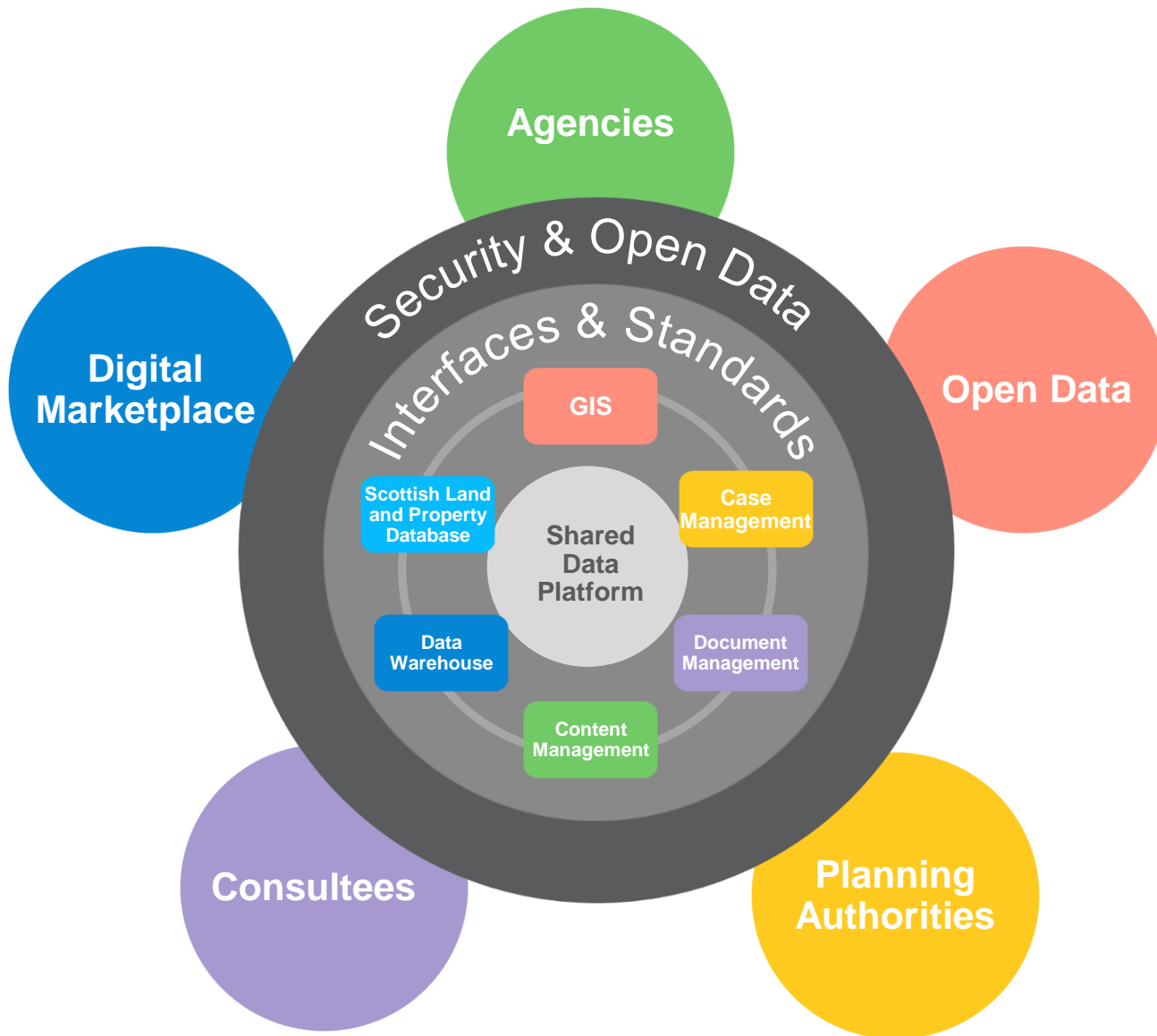
2 PROJECTS

- Consistent Guidance
- Consistent Processes

3 PROJECTS

- Innovation Lab
- CivTech® Challenges
- Engaging Plans

Shared Platform – Streamlining Stakeholder Interactions



- Modern IT platform that makes integrating data with stakeholders easy
- Automate publishing of statistics
- Allow Planning to play a key role in stimulating Scotland's Digital Economy
- Data interchanges with stakeholders can be handled at a national level
- Automating data interactions with Statutory Consultees

ABOUT

STRATEGIC CONSULTANT
IMPACT ASSESSMENT,
LEADING PROFESSIONAL
INFORMATION MANAGEMENT



Paul Eijssen
Royal HaskoningDHV





IMAGINE

All information necessary for decision-making is visual information, no text involved anymore

INFORMATION UNDERSTOOD BY EVERYONE



What would that mean for decision-making and for all stakeholders involved and their support?

CONTENT

ENVIRONMENTAL IMPACT ASSESSMENT AND REPORTING IN THE DIGITAL ERA



History

Was EIA/SEA successful? What have we done so far to improve?



Present

Where do we stand today with our developments?



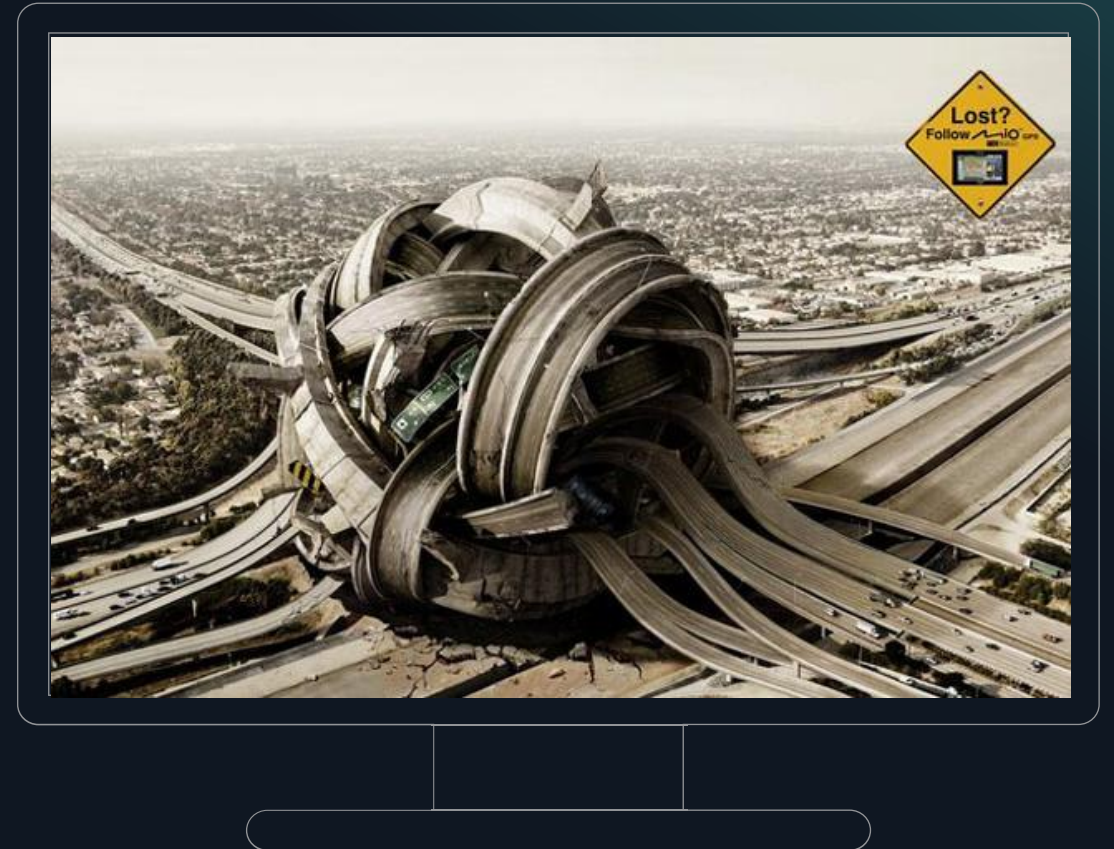
Future

Lots of new developments can be expected in the future!

History

WORN:
WRITTEN ONCE, READ NEVER

- Increasing complexity
- Too voluminous: Written once, read never
- Information is **not used** in decision-making



LEAP IN ANOTHER DIRECTION



IMAGES SAY MORE THAN
A THOUSAND WORDS

INCREASING INVOLVEMENT

LOWER THE THRESHOLD
TO GET INVOLVED IN
DECISION-MAKING IN
YOUR NEIGHBOURHOOD

1

Transparent *Easy accessible*

- Lot's of visual information
- Minimize text
- Clearly structured

2

Layered information *No unnecessary information*

- Tell the story without technical details
- Technical details in separate layers
- Easy to navigate

3

24/7 available

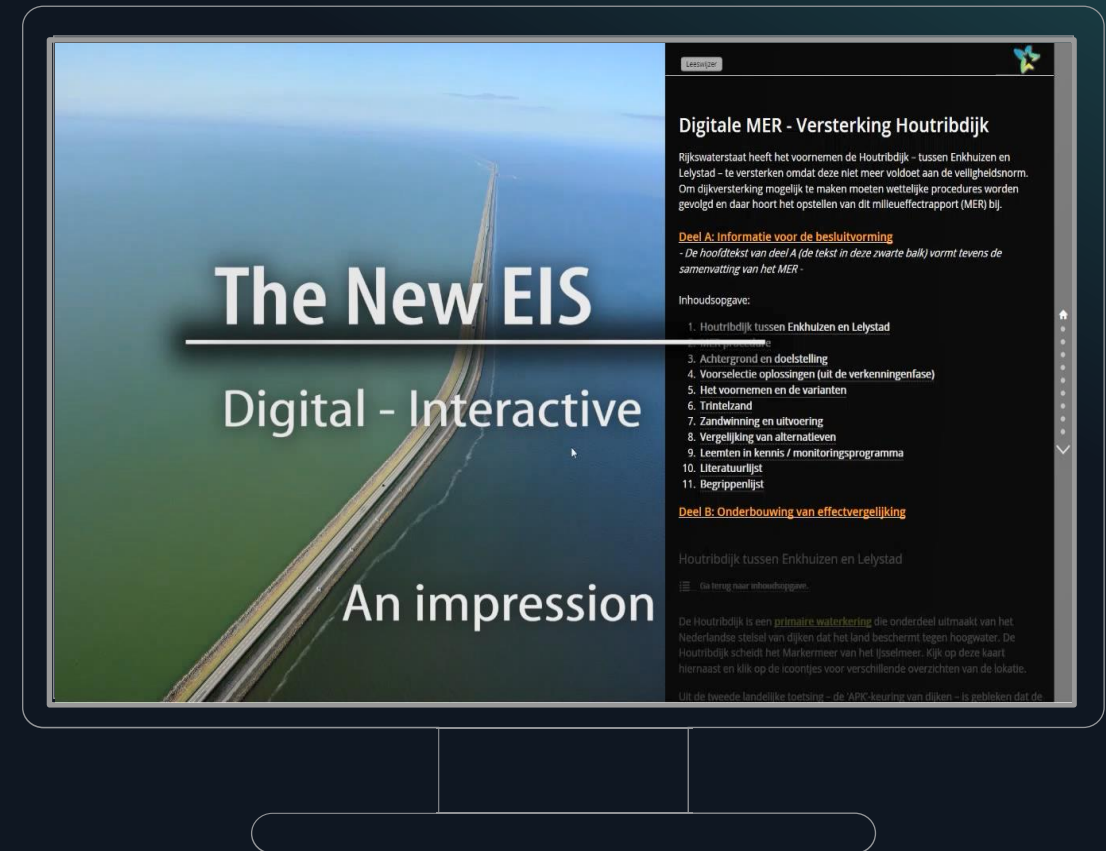
At your own place and pace

- Available from every device
- From home all the time 24/7
- No need to go to the court hall
- People without internet or device are of course welcome

FIRST RESULTS

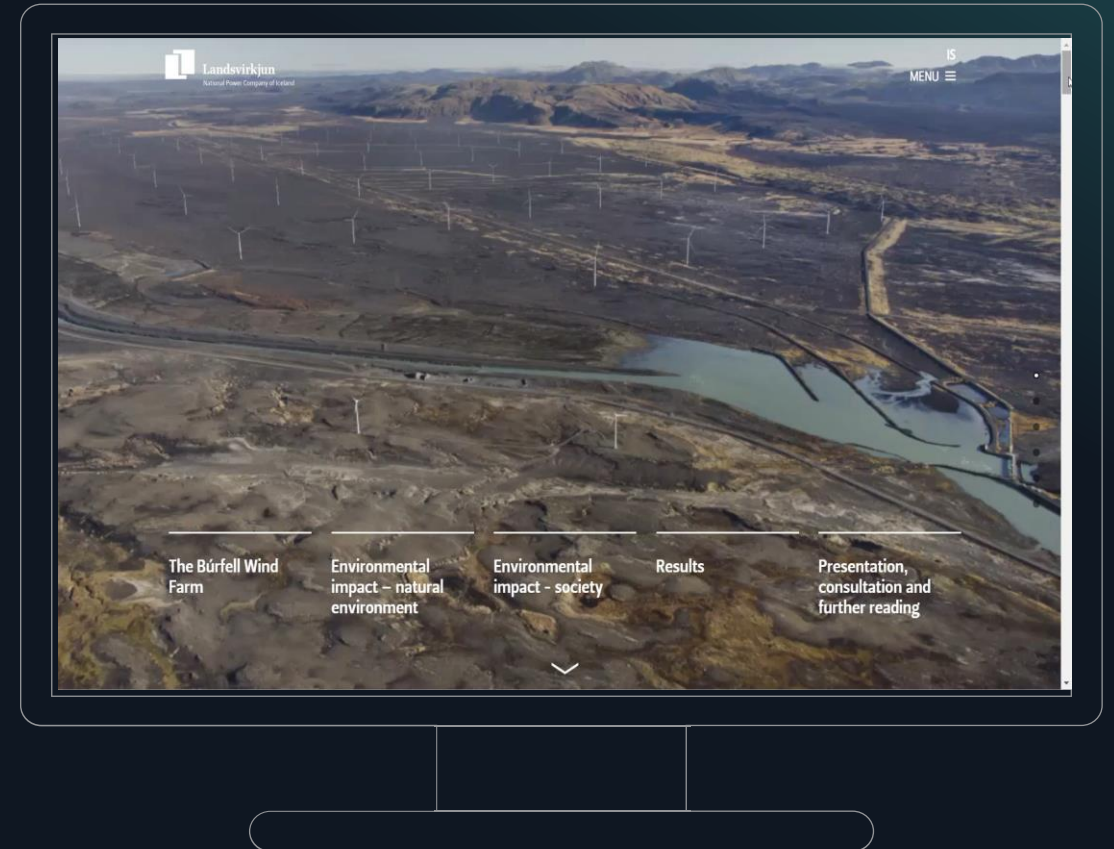
Pilot project 'Houtribdijk' – a dike improvement in The Netherlands

70% ↓



FIRST RESULTS

Non-technical Summary
The Búrfell Windfarm – Iceland

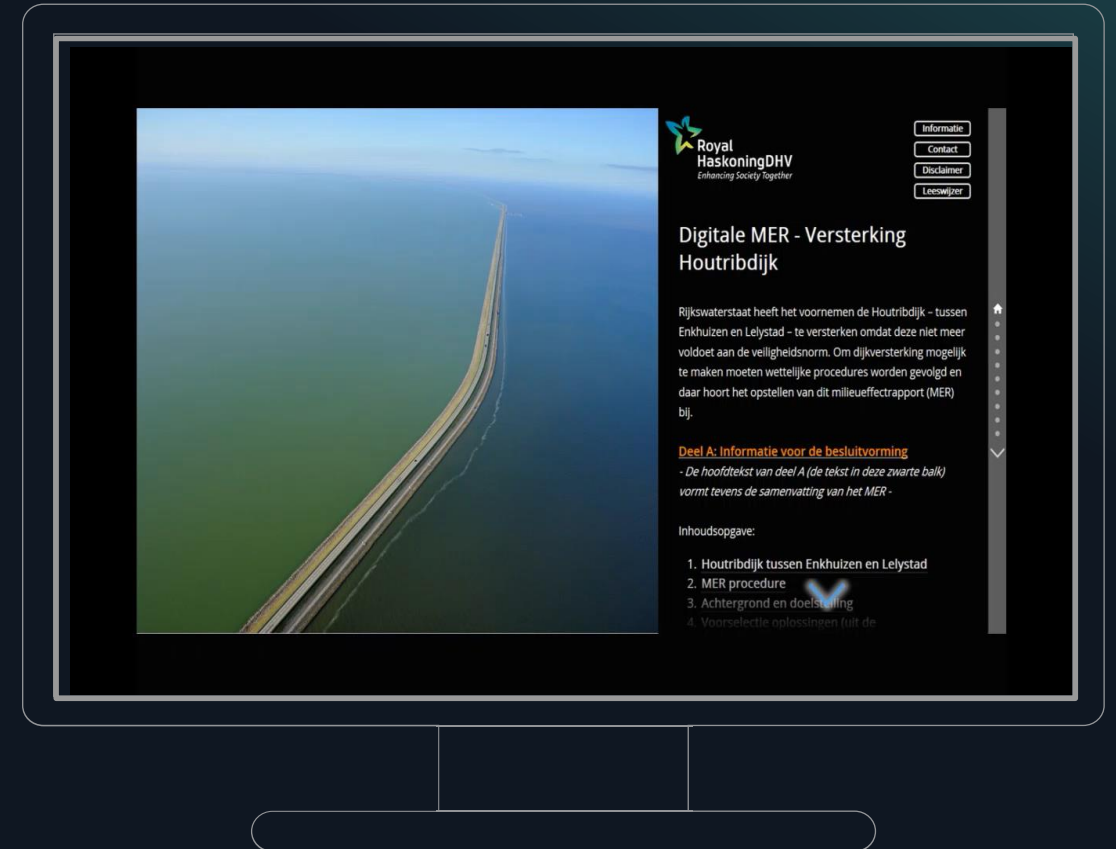


RESULTS

Royal HaskoningDHV
Scoping reports, NTS, EIS, Technical reports

> 100 iReports

Examples other companies



DEVELOPMENTS

RECOMMENDATIONS NCEA EXPERIENCE FROM THE FIRST 100 PROJECTS

Wishes



Search engine, insert comments,

Proces



Link to participation process and decision-making

Legal aspects



'Frozen version' for archiving

Digital + Hard copy



Create a pdf

PRESENT

iREPORT – NEXT GENERATION

NEW PLATFORM

MOST RECOMMENDATIONS IMPLEMENTED
NEW FEATURES WILL FOLLOW



1



Improvements

Version control, Access control, Connections through API's, 'Frozen version' via pdf

2



Easy to use

Clear navigation structure, search function

3



GIS viewers and 3D viewers

Secure links to wide scale of viewers:
2D and 3D GIS, 3D Design, 360 degree photos and more

4



PDF Report

Export to pdf in right layout, export to Word

FEATURES

● —————
**IMPORTANT FEATURES
TO GET BUY IN FROM
AUTHORITIES AND
TO SCALE UP**

FUTURE



THIS IS JUST THE START!

DEVELOPMENTS

EMERGING DEVELOPMENTS AND OPPORTUNITIES

iReport



Digital reporting as the standard

Social media



Continues involvement from stakeholders and public during the whole process

3D design



Development of alternatives with generative design

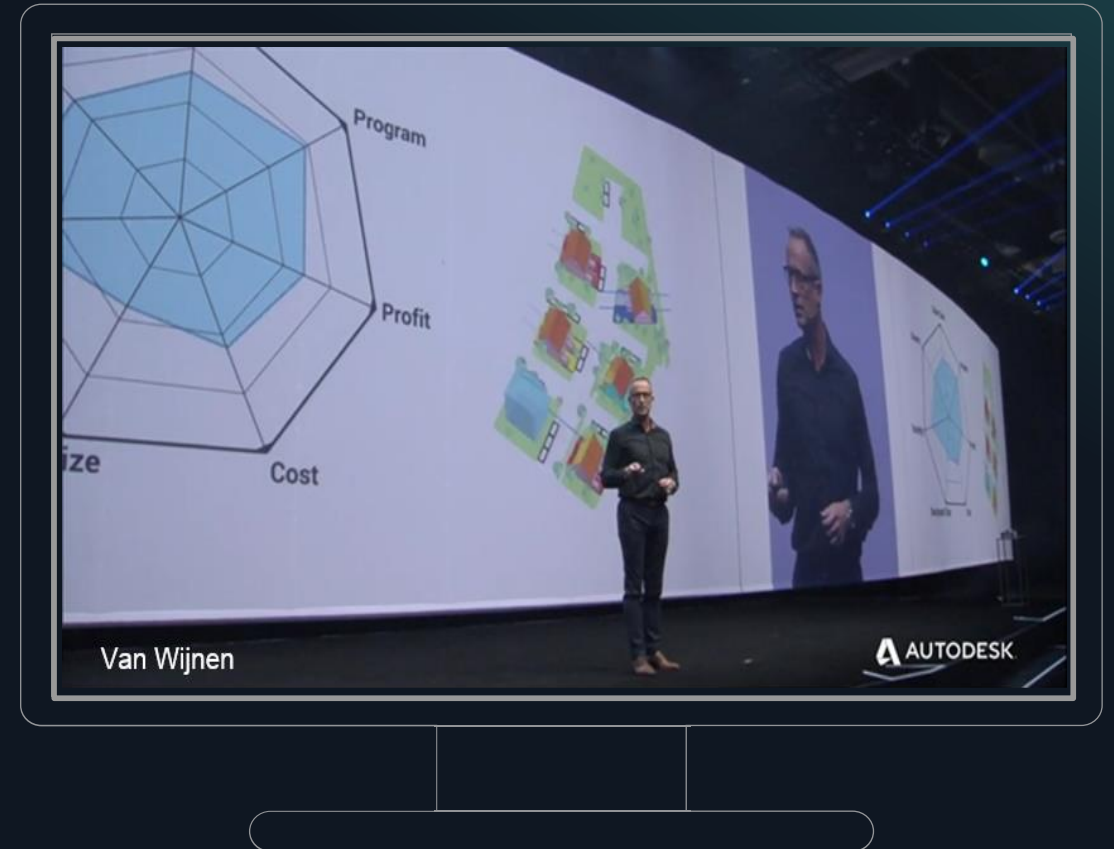
BIM proces



EIA as part of BIM process

GENERATIVE DESIGN

GENERATIVE DESIGN ALLOWS
COMPUTERS TO EXPLORE SOLUTIONS
IN CREATIVE PARTNERSHIP WITH
DESIGNERS



WRAP UP

ENVIRONMENTAL IMPACT ASSESSMENT AND REPORTING IN THE DIGITAL ERA



History

Transparent and accessible digital report creates added value in decision-making



Present

2 years of experience have lead to an improved digital EIS



Future

Lot's of new developments can be expected in the future! We are just at the start!

THANK YOU!

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