

GOING DIGITAL

Scotland's EIA Conference 2019

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Digital Planning Transformation Programme Rhett Harris

May 2019



@DigiPlanningSG

#empoweringplanning #digitalplanning



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

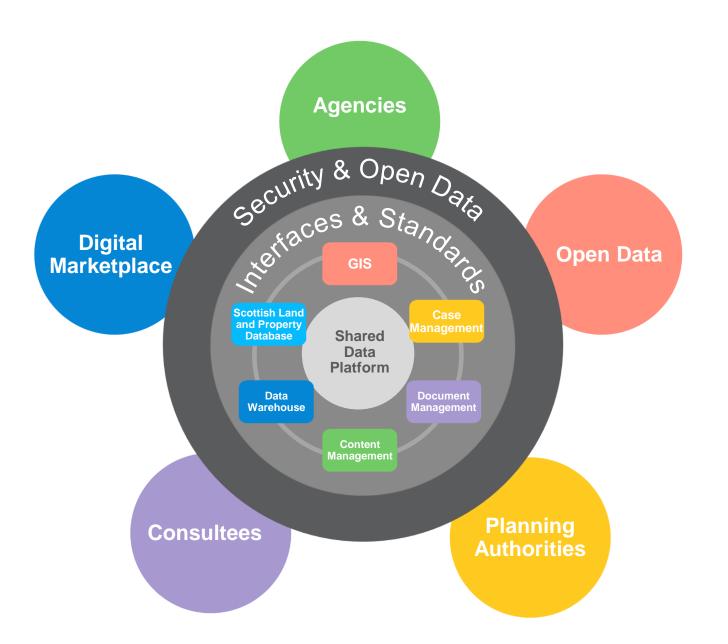
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Transformation Programme

People	Data	A A A A A A A A A A	Process	نې د اند 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 	<section-header></section-header>	 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



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Paul Eijssen *Royal HaskoningDHV*

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IMAGINE

All information necessary for decisionmaking is visual information, no text involved anymore

INFORMATION UNDERSTOOD BY EVERYONE

Royal HaskoningDHV Enhancing Society Together



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

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CONTENT

ENVIROMENTAL 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

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WORN: WRITTEN ONCE, READ NEVER • Increasing complexity

• Too voluminous: Written once, read never

o Information is **not used** in decision-making

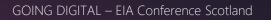


LEAP IN ANOTHER DIRECTION





IMAGES SAY MORE THAN A THOUSAND WORDS



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INCREASING INVOLVEMENT

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

Transparent *Easy accesible*

 Lot's of visual information

- o Minimize text
- o Clearly structured

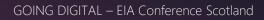
Layered information *No unnecessary information*

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

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



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FIRST RESULTS

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

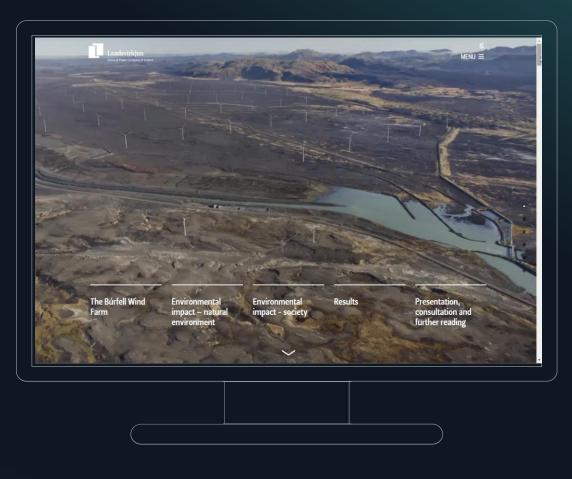
70%

	Digitale MER - Versterking Houtribdijk Rijkswaterstaat heeft het voornemen de Houtribdijk - tussen Enkhuizen en Lelystad - te versterken omdat deze niet meer voldoet aan de velligheidsnorm. Om diiversterken omdat deze niet meer voldoet aan de velligheidsnorm.	
The New EIS	gevolgd en daar hoort het opstellen van dit milieueffectrapport (MER) bij. Deel A: Informatie voor de besluitvorming - De hoofdrekst van deel A (de tekst in deze zwarte balk) vormt tevens de samenvatting van het MER Inhoudsopgave: 1. Houtribdijk tussen Enkhulzen en Lelystad	
Digital - Interactive	3. Acktergrond en doebstelling 4. Voorselectie oplossingen (uit de verkenningenfase) 5. Het voornemen en de varianten 6. Trintekzand 7. Zandwinning en uitvoering 8. Vergelijking van alternatieven 9. Leemten in kennis / monitoringsprogramma 10. Literatuurlijks 11. Begrippenlijst	
An impression	Deel B: Onderbouwing van effectvergelijking Houtribdijk tussen Enkhuizen en Lelystad III. Galereg naer minoedoegene. De Houthbijk is een pitmaire waterkering die onder deel utmaakt van het. Nederlandes stelsel van dijken dat het land beschermt ingen hoogevater. De Houthbijk scheidt het Markmmeer van het ijselmeer. Kijk op deze kaat hiernaast en kiik op die coortige voor verschillende overzichten van de lokate.	
	Uit de tweede landelijke toetang - de 'APIC-keuring van dijken - is pebleken dat de	



FIRST RESULTS

Non-technical Summary The Búrfell Windfarm – Iceland

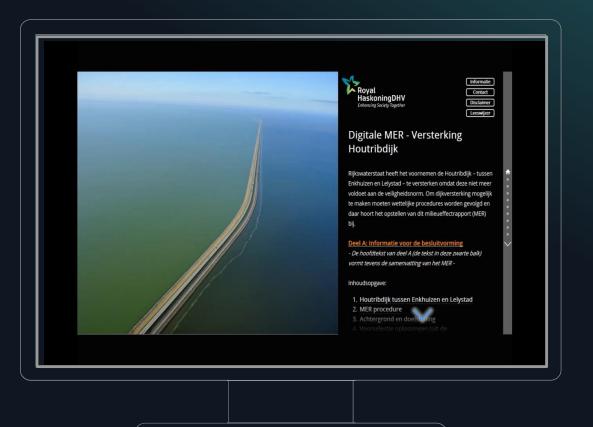




RESULTS

Royal HaskoningDHV Scoping reports, NTS, EIS, Technical reports

Examples other companies



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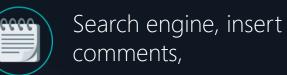
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DEVELOPMENTS

RECOMMENDATIONS NCEA EXPERIENCE FROM THE FIRST 100 PROJECTS





Legal aspects 'Frozen version' for archiving

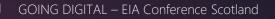
Proces



Link to participation process and decision-making

Digital + Hard copy

Create a pdf



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PRESENT



iREPORT – NEXT GENERATION

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NEW PLATFORM

MOST RECOMMENDATIONS IMPLEMENTED NEW FEATURES WILL FOLLOW



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

Easy to use Clear navigation structure, search function

FEATURES

IMPORTANT FEATURES TO GET BUY IN FROM AUTHORITIES AND TO SCALE UP

GIS viewers and **3D** viewers

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

PDF Report

Export to pdf in right layout, export to Word

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FUTURE



THIS IS JUST THE START!

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DEVELOPMENTS

EMERGING DEVELOPMENTS AND OPPORTUNITIES

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Digital reporting as the standard

3D design

Development of alternatives with generative design

Social media

al lia Continues involvement from stakeholders and public during the whole process BIM proces

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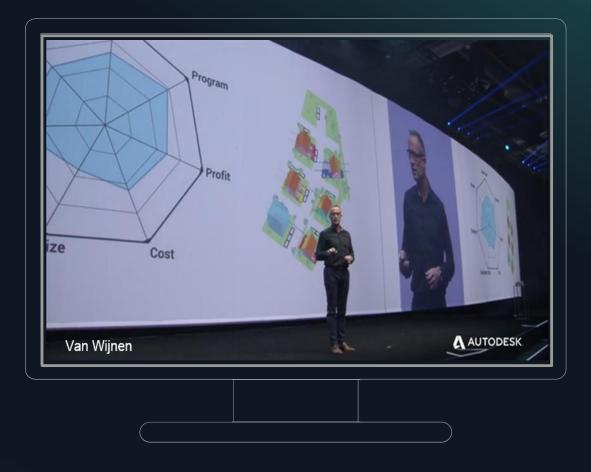
EIA as part of BIM process





GENERATIVE DESIGN

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





WRAP UP

ENVIROMENTAL IMPACT ASSESSMENT AND REPORTING IN THE DIGITAL ERA

History

Transparant and accesible 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!



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THANKYOU!

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