

Opening

Marc Salomon (UvA)

Analytics for a Better World

Why? How? What?

Dick den Hertog (UvA)
Dimitris Bertsimas (MIT)
Robert Monné (ABW)

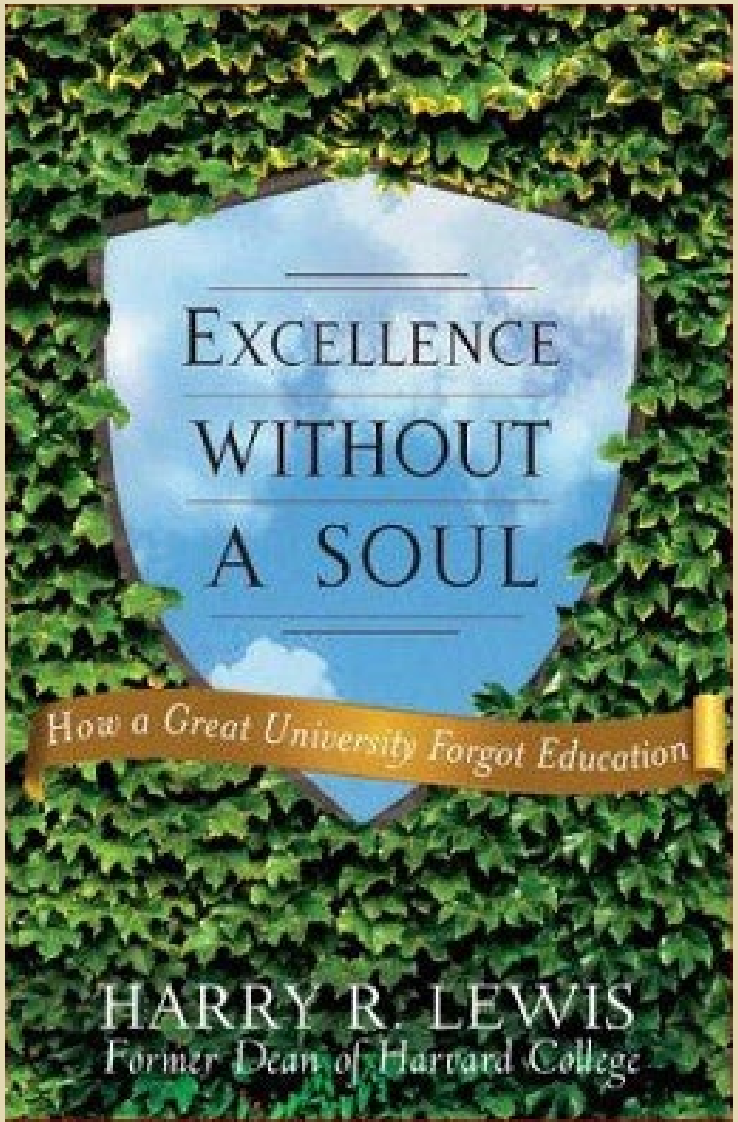


Analytics for a Better World

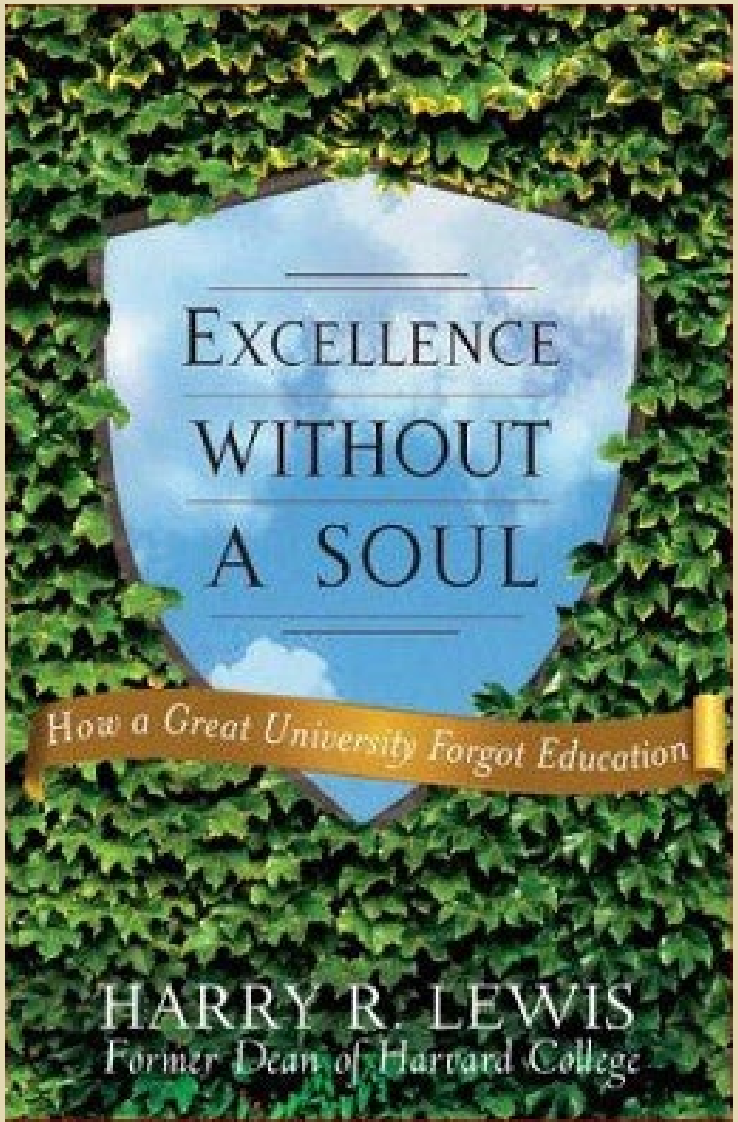
Why?

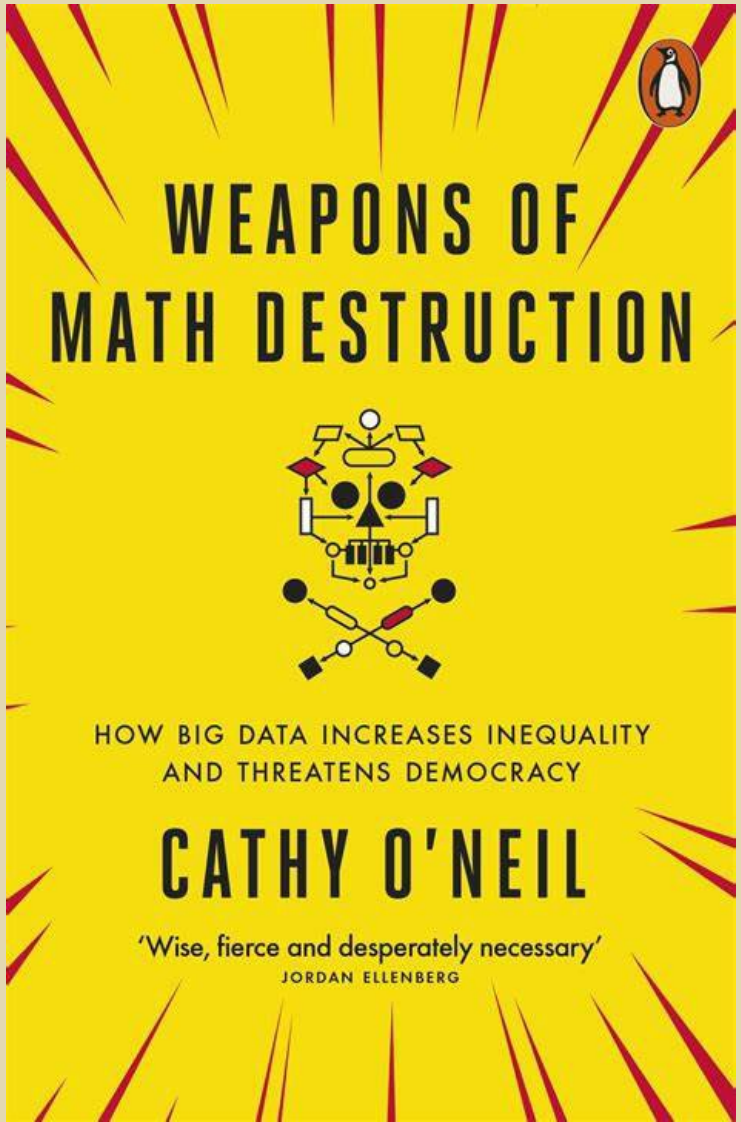
Dick den Hertog (UvA)

Two books that influenced me …



Two books that influenced me …





Analytics for a Better World

Reason 1

There is huge potential for Analytics to contribute to a better world

Reason 2

This potential can be exploited when Analytics experts from Universities and Industry team up

Reason 3

Many people want to do meaningful work to improve our world

Analytics to contribute to the SDGs



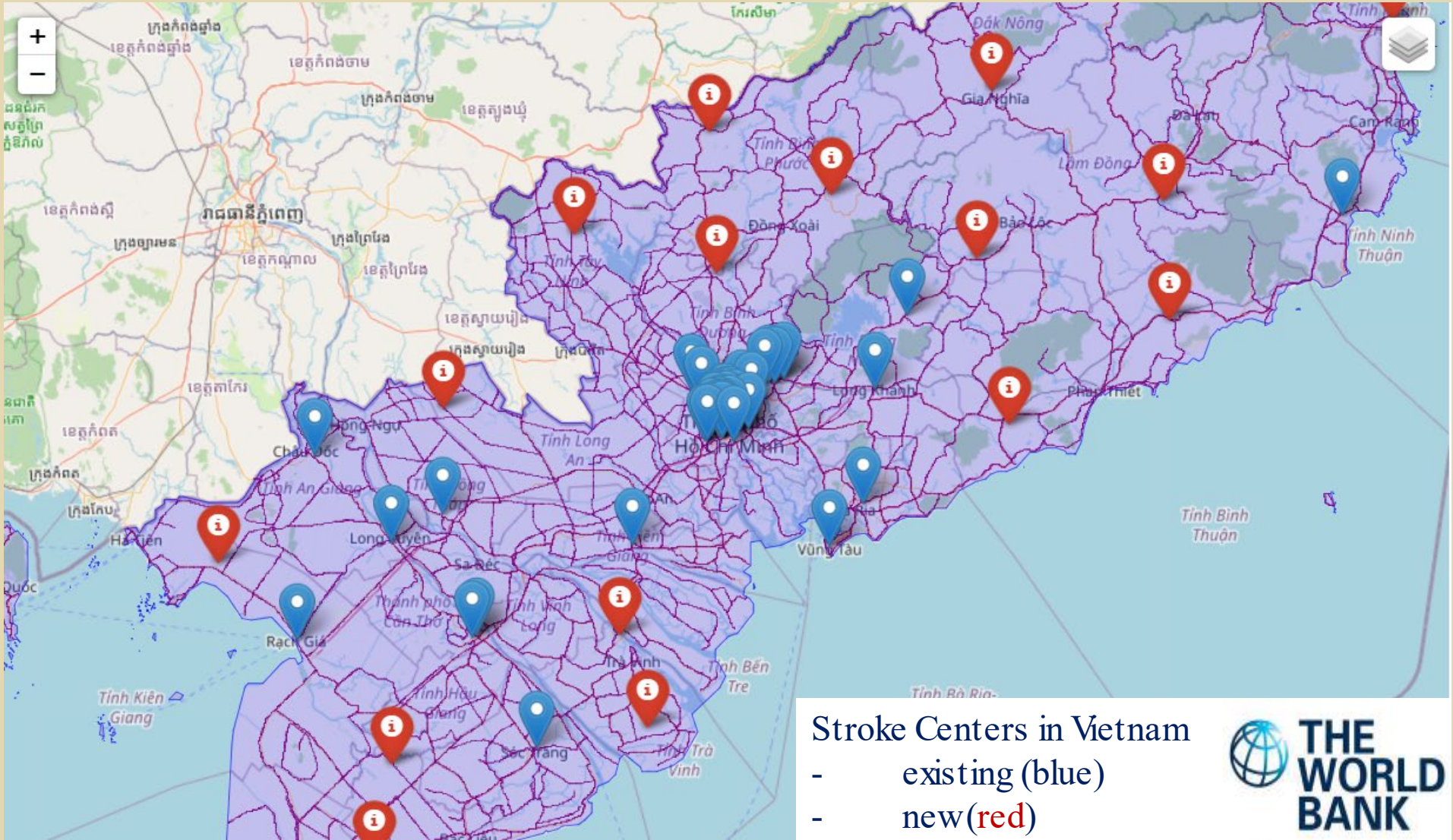
Optimization of dike heights





Analytics for a Better World

Improving healthcare accessibility



Stroke Centers in Vietnam

- existing (blue)
- new (red)

THE WORLD BANK

Analytics for a Better World

Optimizing plastic removal from ocean



THE OCEAN CLEANUP

Analytics for a Better World

Make impact on people, planet and prosperity







How and What? For researchers

Dimitris Bertsimas (MIT)

Video presentation
Dimitris Bertsimas (MIT)

Link

How and What?
For non-profits, NGOs and public sector

Robert Monné

ABW

Combining forces to create impact:

Nonprofits

(Global institutes, Public sector, NGOs)

- Domain knowledge for problem scoping / solving
- Make impact trough network of beneficiaries, volunteers and staff



Researchers

- Research on SDGs and novel analytics techniques
- Education to increase awareness and build skills

Business

- Analytics tooling development and implementation
- Training and knowledge sharing
- Funding/sponsorship

ABW activities

ACADEMY

PROJECTS

MEETUPS

JOURNAL

RESEARCH

REPOSITORY



Hello@analyticsbw.org

Invite us for an exploration workshop

Learnanalytics through our Academy

Join our ecosystem!

www.analyticsbw.org

LinkedIn twitter

How and What?
For companies

Robert Monné

ABW

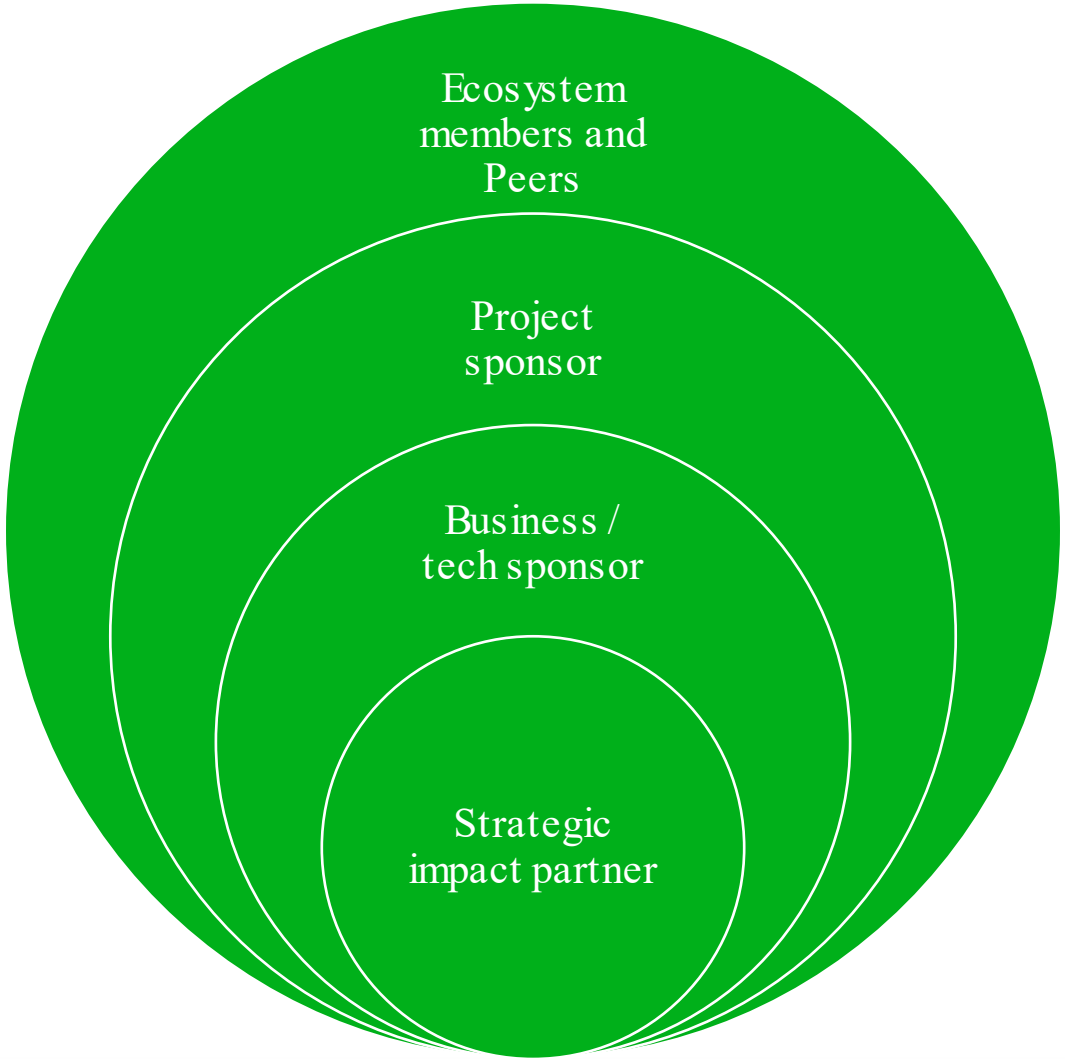
Why join ABW's mission and purpose?

Contribute to a better world, by driving impact with analytics on the SDGs

Employee inspiration, happiness, motivation and retention

Positive and purposeful PR and external communication

You can contribute and create impact through a variety of sponsoring options:



Analytics for a Better World

What do you give?

People:
- Analytics skills
- Project managers
- Marketing/comms

SDG Data:
- Maps
- Satellite
- Mobile

Technology:
- Licences
- Cloud
- Models

Financial sponsorship

Analytics for a Better World

Academy | Projects | Research | Repository

Our mission:

Apply analytics to contribute to the Sustainable Development Goals

Analytics for a Better World



Hello@analyticsbw.org

Sponsor explore session

Join our events or become mentor

Spread our mission and impact!

LinkedIn

twitter



Questions or ideas?

Analytics for a Better World

Introducing: Elianne Anemaat

Affiliation:

- Disrupt Development
- Amsterdam Data Collective

Topic:

It Takes Two to Tango: how tech companies and non-profit organisations can benefit from each other in achieving the SDGs



Analytics for a Better World

Explanation of parallel sessions (for online participants)

Room M3.02 and M4.02

Online: break-outs in Zoom

Parallel sessions after the break:

- 14:00 - 14:10: Opening
- 14:10 - 14:45: Presentation of the Analytics for a Better World Institute Dick den Hertog (University of Amsterdam), Dimitris Bertsimas (MIT) and Robert Monné (Analytics for a Better World)
- 14:45 - 15:30: Keynote presentation *It Takes Two to Tango: How Tech Companies and Non Profit Organisations Can Benefit from Each Other in achieving the SDGs* by Ellianne Anemaat (Disrupt Development and Amsterdam Data Collective)
- 15:30 - 16:00: Break
- 16:00 - 17:00: Parallel sessions I M3.02
  - *Optimal Depot Locations for Humanitarian Logistics Service Providers* by Joris Wagenaar (Zero Hunger Lab)
  - *Creating Impact with Data Analytics for Humanitarian Aid and Disaster Preparedness* by Marleen van den Homberg (510 - Red Cross)
- 16:00 - 17:00: Parallel sessions II M4.02
  - *Data Responsibility: Lessons Learned and Examples in Humanitarian Context* by Tina Sentijn - Data Scientist (UN OCHA Centre for Humanitarian Data)
  - *Using Geospatial Platforms to Optimize Health Care Access* by Kai Kaiser (World Bank)
- 17:00 - 17:10: Wrap up
- 17:10: Closing drinks

Analytics for a Better World

Wrap up

- Big thanks for our guest speakers!
- For onsite participants: drinks at the second floor
- Contact us at hello@analyticsbw.org
- Visit our website www.analyticsbw.org to join our meetups and community
- Find us on
  - Twitter: https://twitter.com/ABWInstitute
  - LinkedIn: https://www.linkedin.com/company/analytics-for-a-better-world/
- The recordings and insights from this conference will be shared on our website and social media

Appendix

Analytics for a Better World

Founding partners:

Universiteit van Amsterdam

ORTEC
OPTIMIZE YOUR WORLD

MIT MANAGEMENT
SLOAN SCHOOL

Who are we?



Parvathy Krishnan

- CTO ABW
- Data Science Consultant Worldbank



Dick den Hertog

- Science to Impact co-director ABW
- University of Amsterdam Professor of Operations Research



Dimitris Bertsimas

- Science to Impact co-director ABW
- MIT Professor of Operations Research



Robert Monné

- Managing Director ABW

Supervisory board: Willemijn van Dolen (Prof. UvA), Marc Salomon (Dean UvA ABS), Michael van Duijn (CEO ORTEC), Frans van Helden (MD ORTEC)

ABW Researchers



Claudia Orellana Rodriguez

- Data Scientist in ABW
- PhD in Machine Learning with a focus on Digital News



Britt van Veggel

- PhD student at AWB
- TU Delft Applied Mathematics graduate specialized in optimization



Stevan Rudinac

- Researcher at ABW
- Associate Professor Artificial Intelligence for Business

Program

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Analytics for a Better World



Nowadays Analytics significantly contributes to the success of companies. **Our vision** is that Analytics has the same potential to contribute to humanitarian and societal challenges. **Our dream** is to apply analytics to contribute to the Sustainable Development Goals

Analytics for a Better World Academy

- First edition: October – November 2022
- Free access for our non profit partners
- Supported by our sponsors and peers
- Centered around non-profit use cases
- Get inspiration and acquire hands-on skills
- Courses, mentoring and community



Analytics for a Better World

Analytics projects – growing towards impact together



1. Intake &explore

- Analytics maturity quick scan
- Use case ideation brainstorm

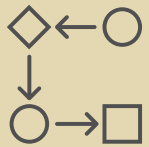




2. Proof of impact

- MSc / PhD research
- Develop proof-of-concept(s)
- Increase organizational awareness and maturity



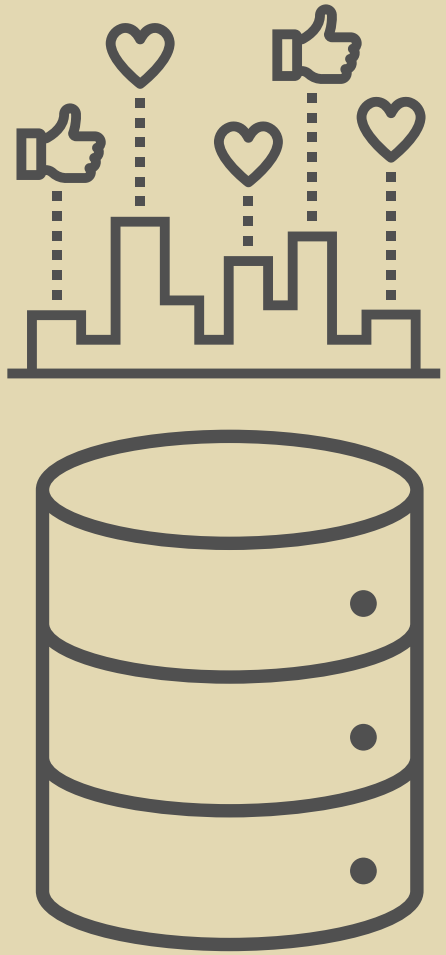


3. Increase impact

- Develop Minimum-Viable-Product (MVP)
- Build organizational maturity

Repository

- Digital public goods
- Everything we create (models, code, knowledge) will be shared with the whole world to benefit from
- Contains large projects (MVPs), and smaller reusable components
- Free for use
- Support with implementation is possible (to be discussed)
- Accessible through our website



Partners

- Founders / sponsors:
- Academic partner:
- NGO partners:
- Business sponsors:
- Technology sponsors:

Universiteit van Amsterdam

ORTEC OPTIMIZE YOUR WORLD

MIT | MIT MANAGEMENT SLOAN SCHOOL

amref health africa

510 AN INITIATIVE OF THE NETHERLANDS RED CROSS

TBD/TBA

TBD/TBA

TBD/TBA

TBD/TBA

TBD/TBA

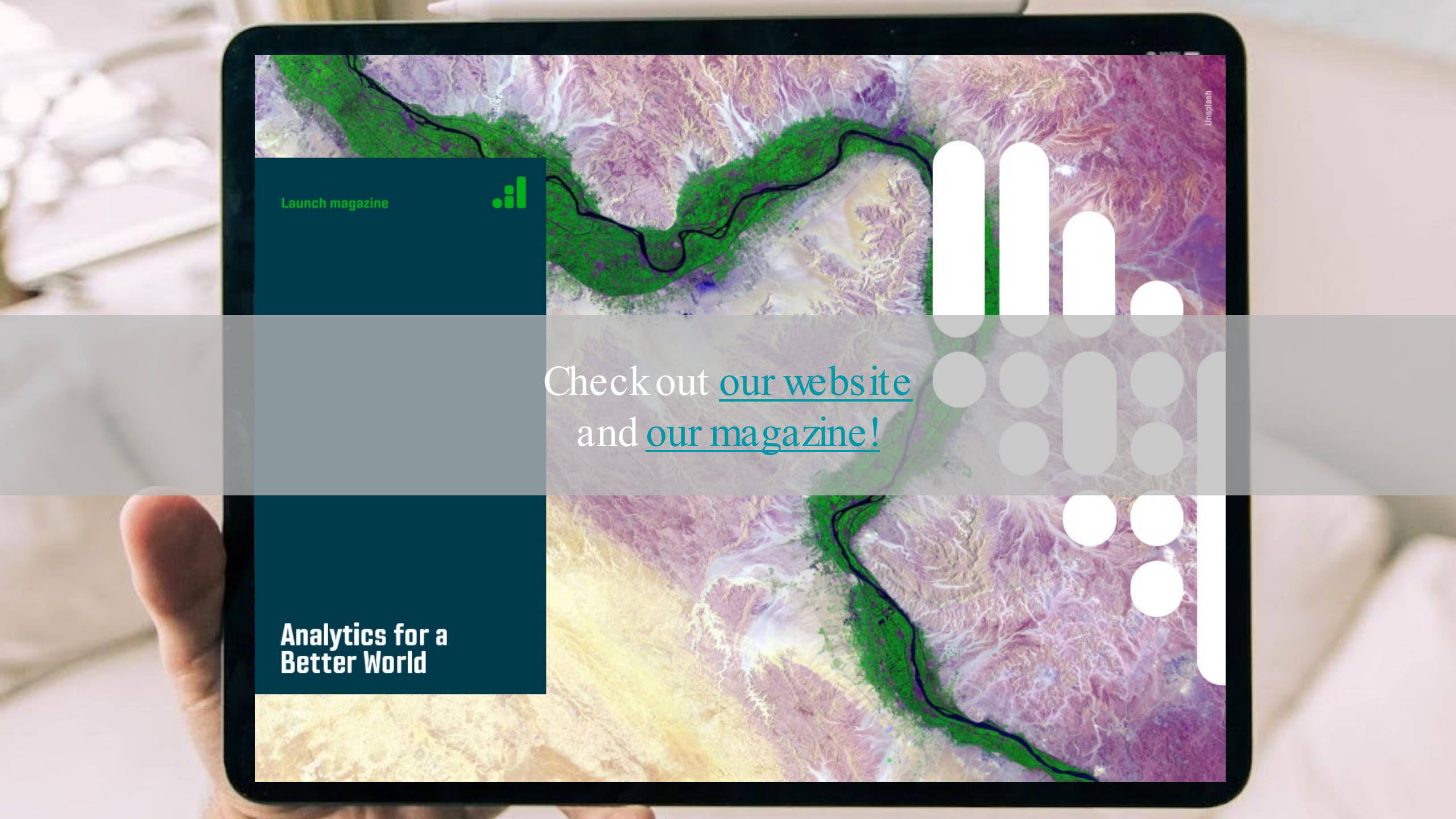
Introduction and launch video (link):



Analytics for a Better World

Thinking about how to make the world a better place?

hello@analyticsbw.org



Check out our website and our magazine!

Thank you for your interest.

Analytics for a Better World Institute
www.analyticsbw.org

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University of Amsterdam,
Plantage Muidergracht 12, 1018 TV
Amsterdam, The Netherlands.

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Houtsingel 5, 2719 EA Zoetermeer,
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