

# STM Tech Trends 2023 WorldTour Our Band is playing: the Open Science Song

Launching Tech Trends at the STM US Conference, Innovations Day 12 April 2019, Washington DC Eefke Smit, Standards and Technology



➤ Peer Review-plus Itransform it3

► From Content facilitators to

**Growth of Research Bata** 

► Impact of new output types:

► Bats
► All content
► How library services

► Occasio chaff

creators of Toch Tools

▶ Reproducibility

► Trust and Imyl Data

➤ Bhits Trest

► Privacy and Complexity

Data Integrity, Integrity in Data Use

Privacy versus personalisation

don she had machine P

include the buffled upon

Access logen, universal, easyl

Decentralised Identity

Personalization

**Hanagement** 

(from journals to article primacy)

Author-based publishing

- Collaboration on:
  - and transportability
  - Better user experience

  - Research data
  - Electrobaln and Spen Ledge
- ▶ Make infrastructures
- connect and open
- Efficiency drivers: Interoperability standards
- Publishing platforms

### This was our Future Lab brainstorm this year, on 3 December 2018 in London:

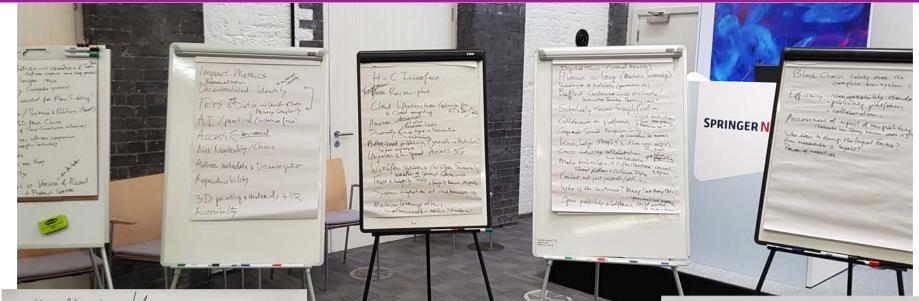


#### At The Stables, London: Brainstorm in Delphi-method mode









# Multiple Users → disconnect buyers-asers → who is the user? ⑤ Data Integrity → pervacy vs. personalisation → Ethics, Trust ⑥ AI/Muline leaving, Research Flow also for internal systems ⑥ Collaboration via Cloud across Industry - prepareiew — block chain — platform standark ⑤ Trust & Integrity — Soitfub

## A room full of views



#### An Editing Committee processes the stuff:

- Heather Staines, Hypothesis
- Renny Guida, IEEE
- Jasper Simons, APA
- Liz Marchant, T&F
- Sameer Shariff, Impelsys
- IJsbrand-Jan Aalbersberg, Chair
- Eefke Smit, STM- S&T
- Matt McKay, STM- Comms
- Stu Design, graphics

Our sponsor: IEEE





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The Band: The Collaborators

Playing its golden hit: The Open Science Song

The sound: A Good User Experience,

Trust and Integrity

Shared Infrastructure



#### Let's take a look at the audience



#### They want diversity;

In hiring, in skillsets, in research topics, in research ethics, in machine learning, in algorithms, in publishing, in content focus

#### It is a multi-user environment;

Authors, readers, researchers, doctors, practitioners, engineers, citizens, parents, funders, policy makers,

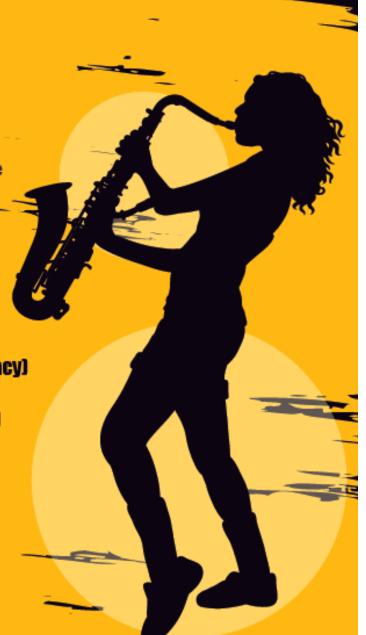
a new generation







- Customer wears many hats
- Know thy user
  - Create a personalised Experience
  - Offer a digital assistant T
- Get used to Multiple Users
  - Disconnect buyers and users
  - Authors and readers
  - Scientists and Citizens
  - Who IS the user ₽
  - Can she be a machine 9
- Author-based publishing (from journals to article primacy)
- Human-Computer Interface
- Access (open, universal, easy)
- Decentralised Identity (versus authorized identity)
- Accessibility
- Solve fragmentation at the customer side















- Collaboration on:
  - and transportability
  - Better user experience

  - Research data
- Electrobaln and Spen Ledge ▶ Make infrastructures
- connect and open
- Efficiency drivers:
- Interoperability standards
- Publishing platforms

- Science and politics are dangerous
- ► Trust and Imyl Data
- Data Integrity, Integrity in Data Use
- Privacy versus personalisation ➤ Bhits Trest
- ► Privacy and Complexity

- Publish ALL research artefacts
- ➤ Peer Review-plus Itransform it3
- ► From Content facilitators to creators of Toch Tools
- ▶ Reproducibility
- **Growth of Research Bata**
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- Decentralised Identity **Hanagement**



#### Audience.....ARE YOU READY..??

Then follow this link:

https://www.youtube.com/watch?v=V2fGAH H-TPo&feature=youtu.bekunnje



#### Stay tuned; soon on a stage near you

- Youtube link: <u>https://www.youtube.com/watch?v=V2fGAHH-TPo&feature=youtu.bekunnje</u>
- Poster available on <a href="https://www.stm-assoc.org/standards-technology/tech-trends-2023/">https://www.stm-assoc.org/standards-technology/tech-trends-2023/</a>
- Recording of round table in podcast:
- https://beyondthebookcast.com/stm-singing-the-openscience-song/
- And sing-along; inhouse presentations can be arranged live or via webinar

Please email: smit@stm-assoc.org

