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STM TECH TRENDS

Outlook 2020

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STM US Annual Conference

28 April 2016

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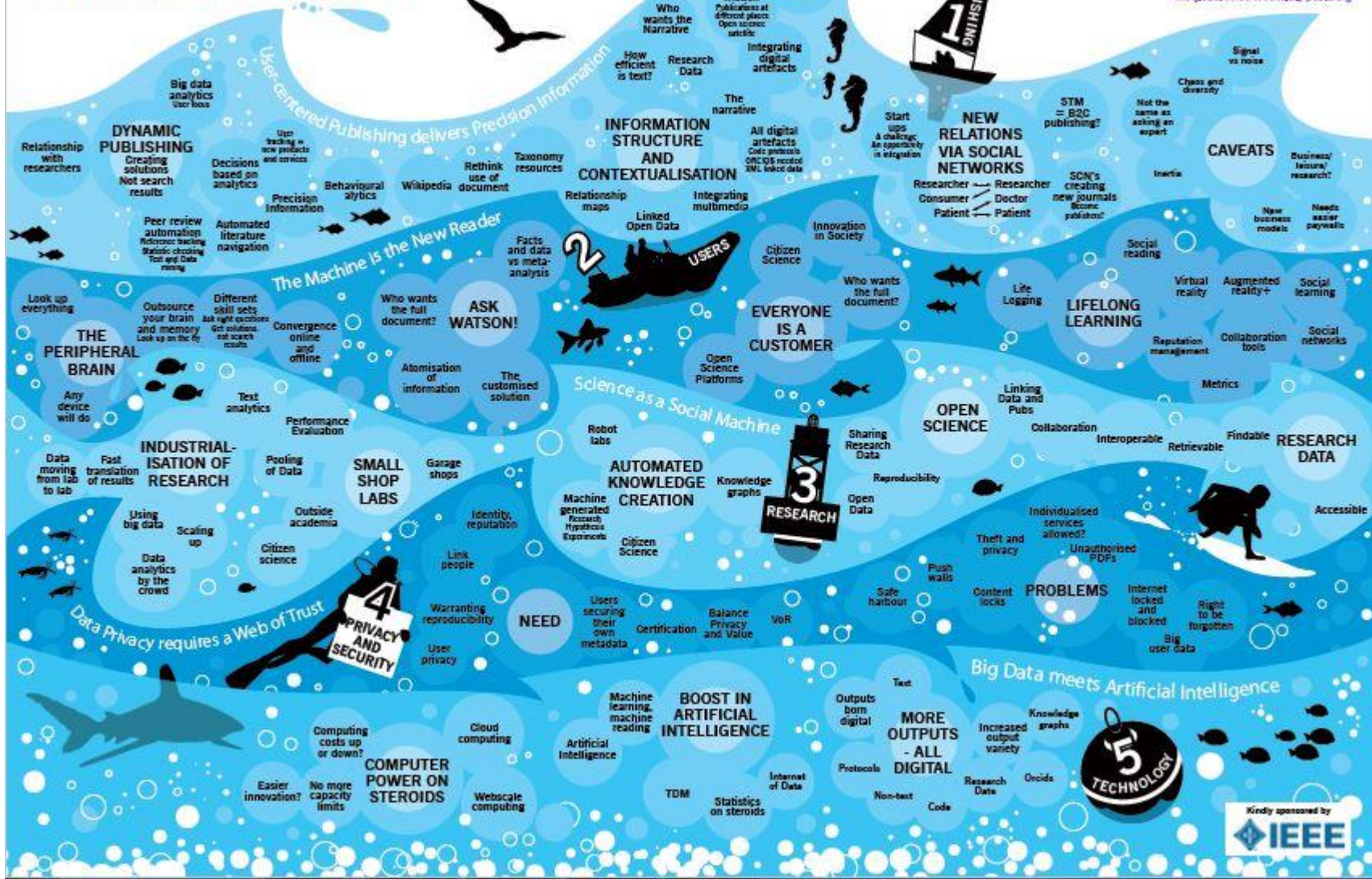
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STM Tech Trends: Outlook 2020

THE TECHNOLOGY FLOODGATES ARE OPEN

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How these Tech Trends are developed



How we do this:

- Annual brainstorm
- Using the Delphi-method
- 25+ people participating
- In London, part of STM week
- Everyone lists own top-3
- Group discusses meaning
- Draws the bigger picture
- Main trends clustered

Results available for all STM members:

- posters, stickers, ppt
- This version is **UNDER EMBARGO** (until 26 April 2016)
- Full launch at STM Spring Conference (on April 28 in Washington-DC)
- Webinars, in-house presentations available at your request

Who developed these Tech Trends:

Participants from 24 organisations, gathering in London, on 1 December 2015, At Burlington House, Picadilly, At the Royal Society of Chemistry



Jonathan Morgan	ACS
Richard O Beirne	OUP
Kent Anderson	AAAS
Philip Roberts	CABI
David Smith	IET
Reynold Guida	IEEE
Jeremy Macdonald	RPS
Ann Michael	DeltaThink
IJsbrand-J Aalbersberg	Elsevier
Heather Staines	Proquest
Jennifer Robinson	Wolters Kluwer
Sam Bruinsma	Brill
John Sack	HighWire
Richard Kidd	RSC
Will Schweitzer	AAAS
Daniel Schiff	Thieme
James Walker	IOPP
Jasper Simons	APA
Gari Spencer	Wiley
Phill Jones	Digital Science
Paul Groth	Elsevier Labs
Gerry Grenier	IEEE
Thomas Mager	Springer
Eefke Smit	STM
Pam Dixon	World Privacy Forum



2020 STM Tech Trends in summary: The Floodgates of Technology are open

5 currents interacting: **Current 1 = Technology**

Technology: Big Data meets Artificial Intelligence

2020 STM Tech Trends in summary: The Floodgates of Technology are open!

5 currents interacting: **Current 2 = Security**

Cyber Security: Data privacy requires a Web of Trust

Technology: Big Data meets Artificial Intelligence

2020 STM Tech Trends in summary: The Floodgates of Technology are open!

5 currents interacting: **Current 3 = Research**

Research: Science as a Social Machine

Cyber Security: Data privacy requires a Web of Trust

Technology: Big Data meets Artificial Intelligence

2020 STM Tech Trends in summary: The Floodgates of Technology are open!

5 currents interacting: **Current 4 = Users**

Users: The Machine is the new Reader

Research: Science as a Social Machine

Cyber Security: Data privacy requires a Web of Trust

Technology: Big Data meets Artificial Intelligence

2020 STM Tech Trends in summary: The Floodgates of Technology are open!

5 currents interacting: **Current 5 = Publishing**

Publishing: User Centered Publishing delivers Precision Information

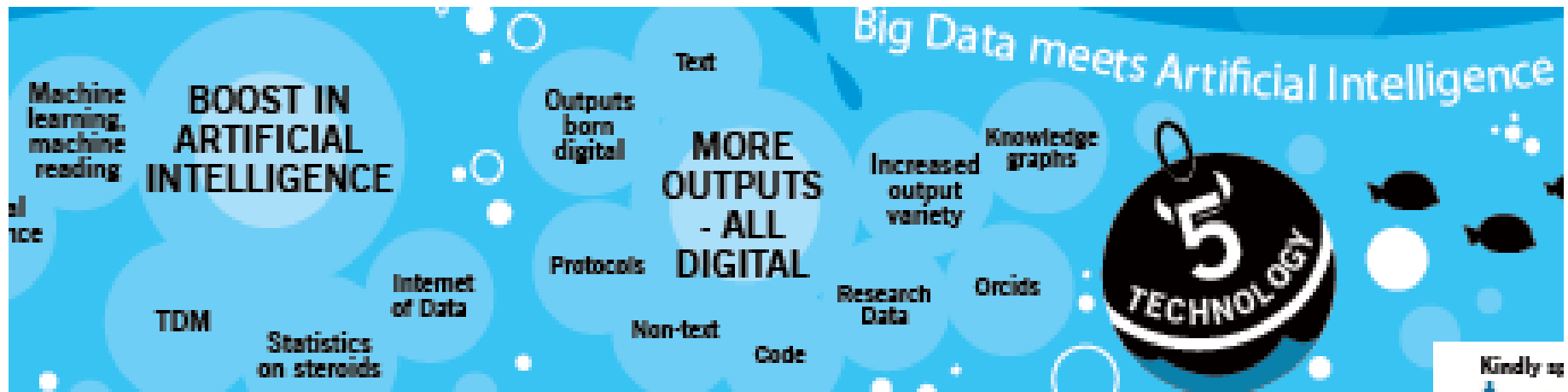
Users: The Machine is the new Reader

Research: Science as a Social Machine

Cyber Security: Data privacy requires a Web of Trust

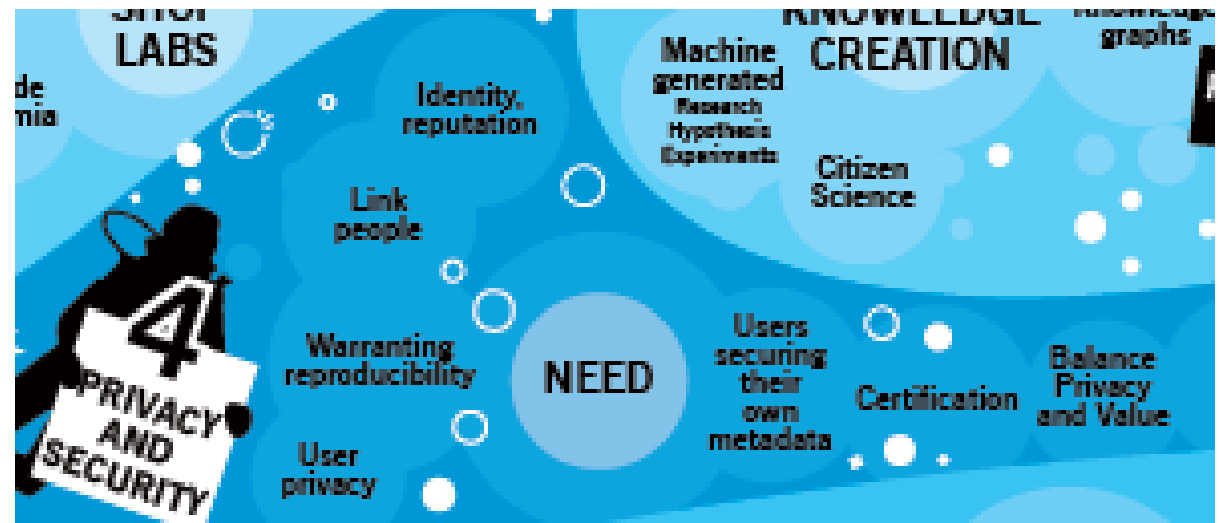
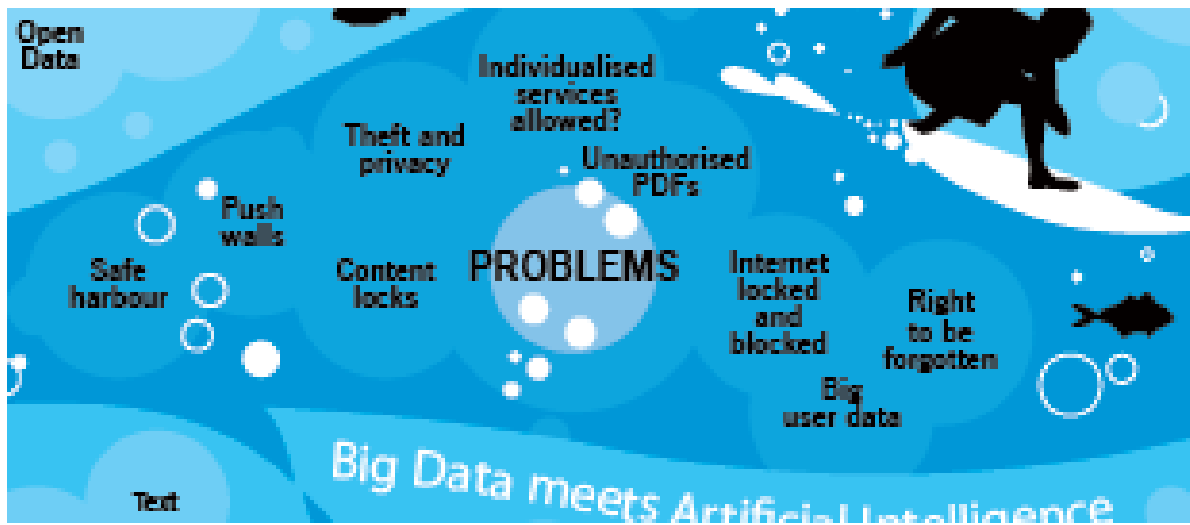
Technology: Big Data meets Artificial Intelligence

Technology: Big Data Meets Artificial Intelligence

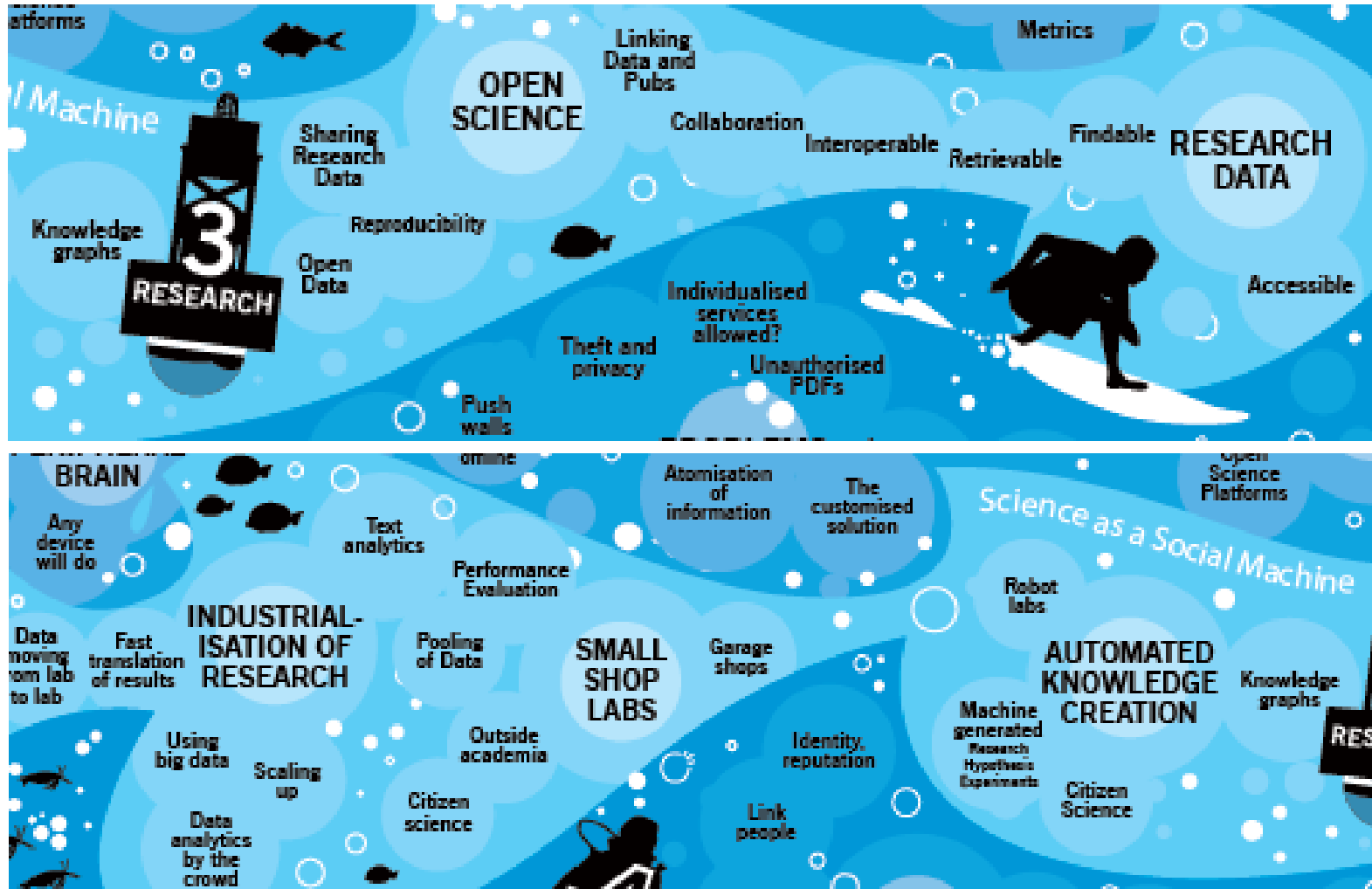


Kindly up

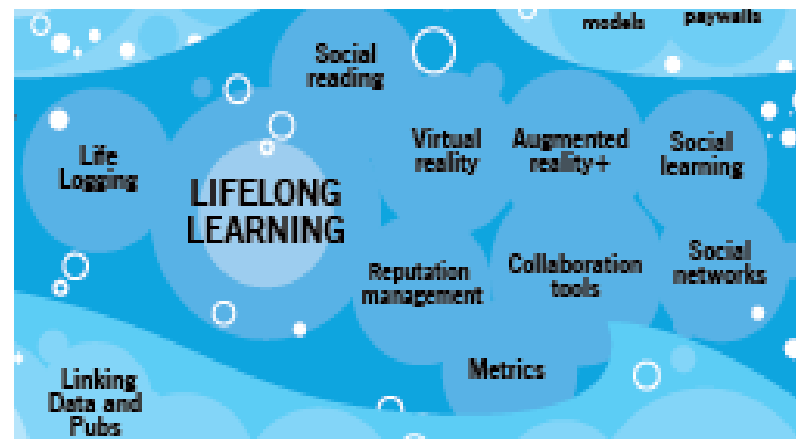
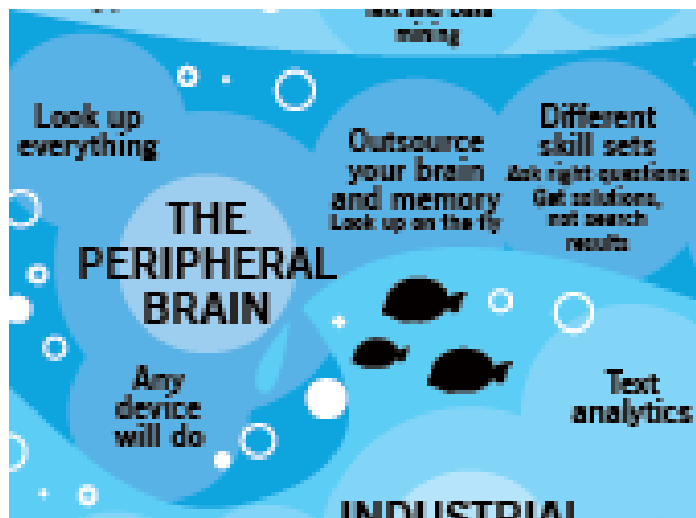
Security: Data Privacy requires a Web of Trust



Research: Science as a Social Machine



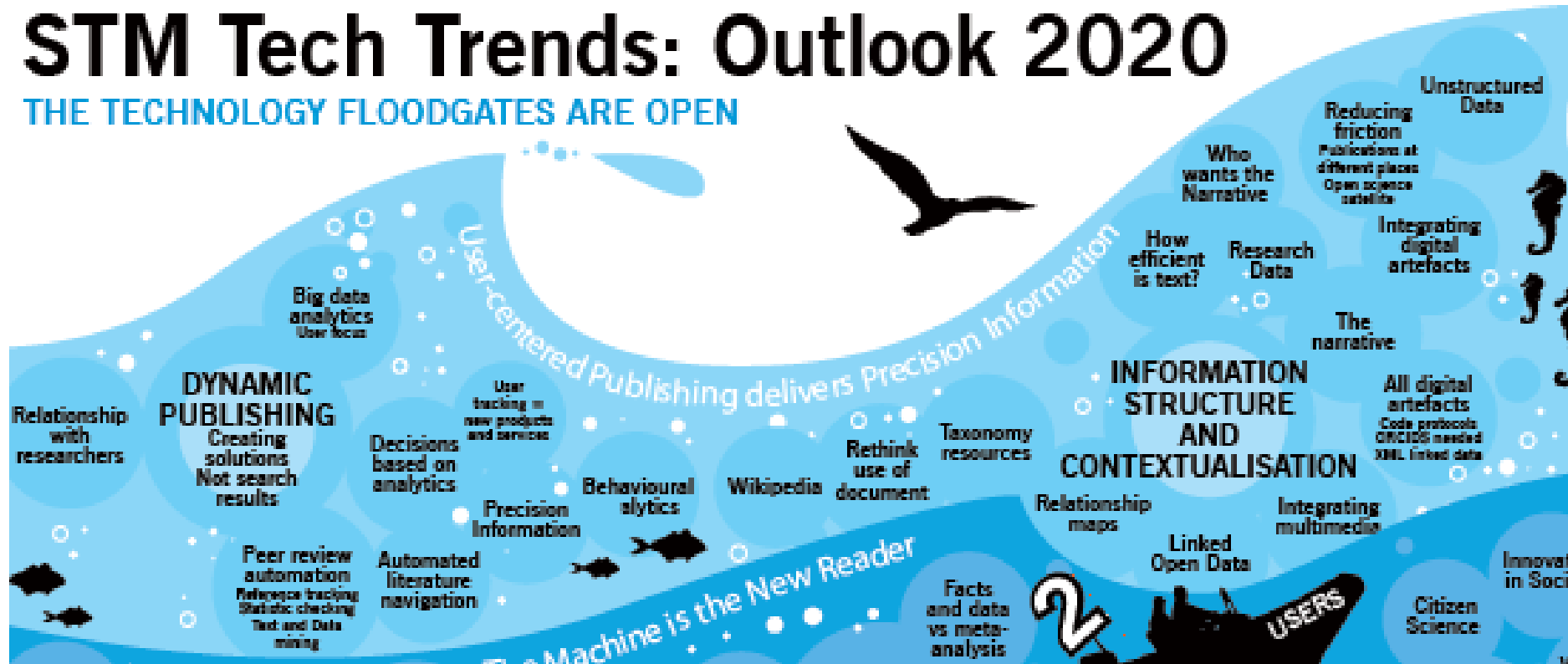
Users: The Machine is the new Reader



Publishing: User-centered Precision Information

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THE TECHNOLOGY FLOODGATES ARE OPEN



Publishing: New relationships (2)



