Meet your colleagues from Reservoir Management and Forecasting

Ivo Miltenburg – Deltares NL

Bernhard Becker – Deltares NL

Arnejan v Loenen – DeltaresUSA

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Goals of this breakout session

→ Meet your colleagues in Reservoir Management

→ Share ideas

→ Introduce RTC-Tools Sim

→ Give your opinion!

→ Get inspired

Please introduce yourself! Share your name, organization, job title

Bernhard Becker, Deltares, Researcher/Consultant

Nathalie Brunet, River Forecast Engineer, Alberta Env & Parks

Phil Slota, Manitoba Hydro, Hydrological Studies Engineer

Hendrik Burkamp, Hydrotec in Germany, Environmental Engineer

Shane Wruth, Manitoba Hydro, Watershed Studies Engineer

Daniel Firmo Kazay - Itaipu/Brazil

Jan Talsma, Deltares, Researcher Operational Water Management

Arnejan van LoenenDeltares USAExpert in operational systems for water management

Kevin Sagan, Manitoba Hydro, Hydrologic Engineer

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Please introduce yourself! Share your name, organization, job title

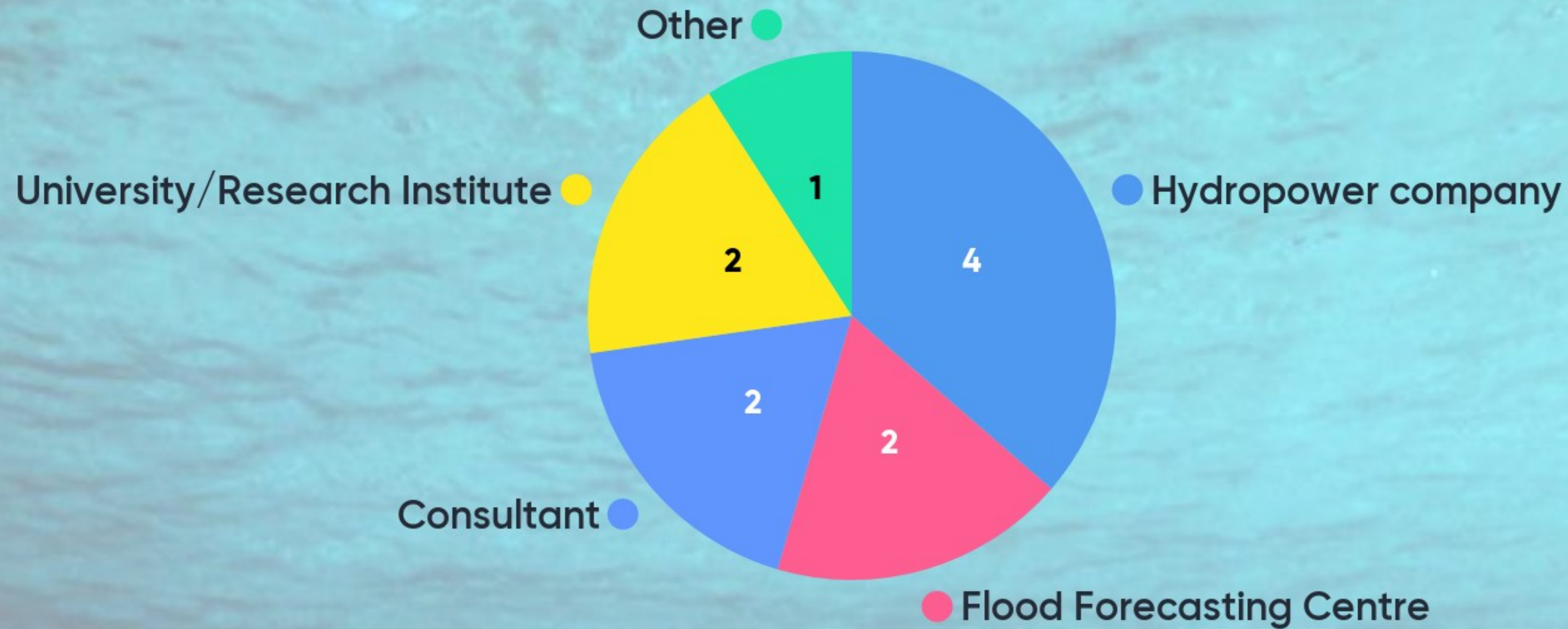Matt Roberts, Met Eireann, Hydrometeorologist.

Edwin WellesDeltares USAHydrologist

Maarten Smoorenburg, researcher/consultant on hydrological forecasting and operational control @deltares

Which country are you from?

ireland brazil

canada

us

netherlands

germany

Which sector and area of expertise are you working in?

Other ●
University/Research Institute ● 1 2
Consultant ● 2 4 ● Hydropower company
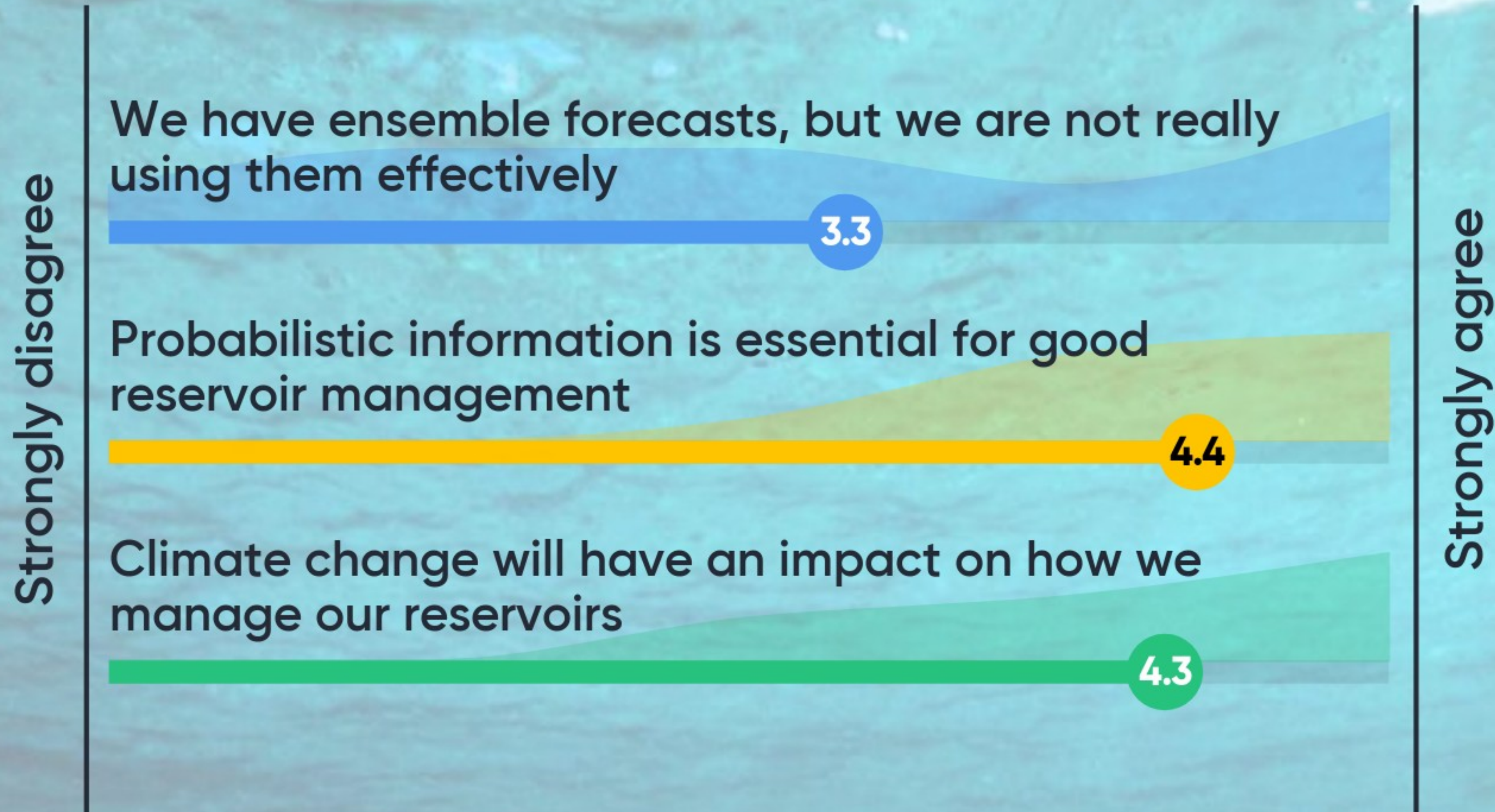2
● Flood Forecasting Centre

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What roles does Delft-FEWS fullfill in your organization?

control optimization

flow forecasting

centralize data and tasks

reserach

Forecasting - what is your opinion?

Strongly disagree ... Strongly agree

We have ensemble forecasts, but we are not really using them effectively — **3.3**

Probabilistic information is essential for good reservoir management — **4.4**

Climate change will have an impact on how we manage our reservoirs — **4.3**

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Reservoir Simulation Software

What is important for you?

What type of simulation software do you use in your work?

Hydrological Models	SSARR	HEC-HMS
Internally developed models	HEC-HMS	RTC 2
WATFLOOD	Excel	Excel sheet for reservoir balance

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What type of simulation software do you use in your work?

HEC-ResSim

Excel regulation simulation models

RTC-Tools, HEC-HMS, own Python

NASIM

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Reservoir Simulation (software)?

Strongly disagree — Strongly agree

Our simulation software is still supported, updated and growing in features — **3**

I require a GUI for model development and running — **2.2**

Free / Open Source software is important for us — **4.8**

Modeling complex operational rules is important — **4.3**

Good integration with Delft-FEWS is required — **4.3**

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