



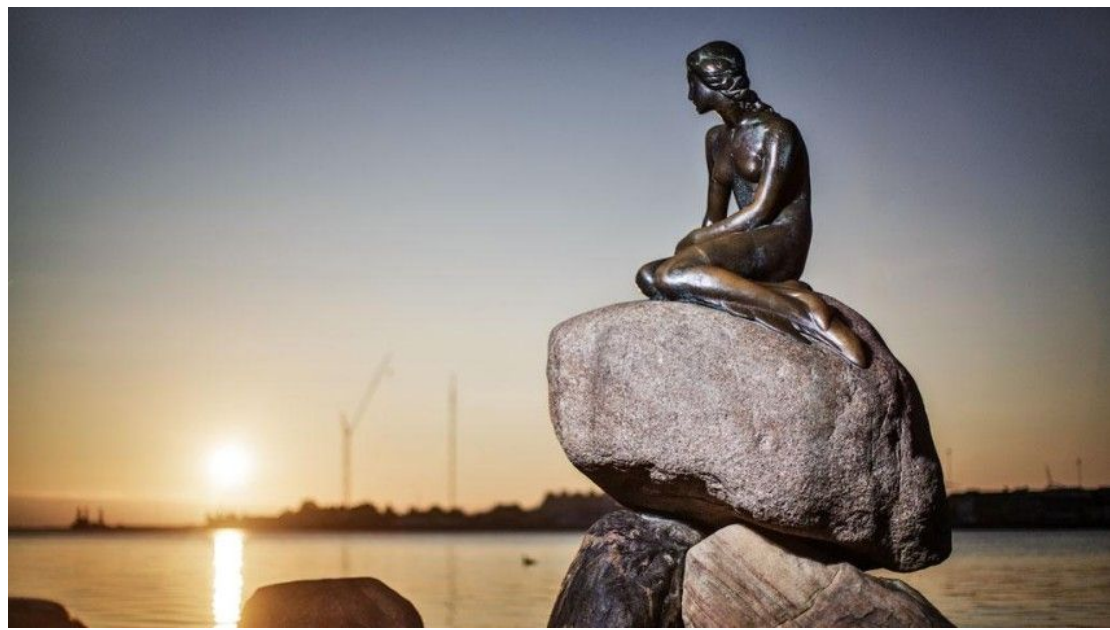
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University of Oslo

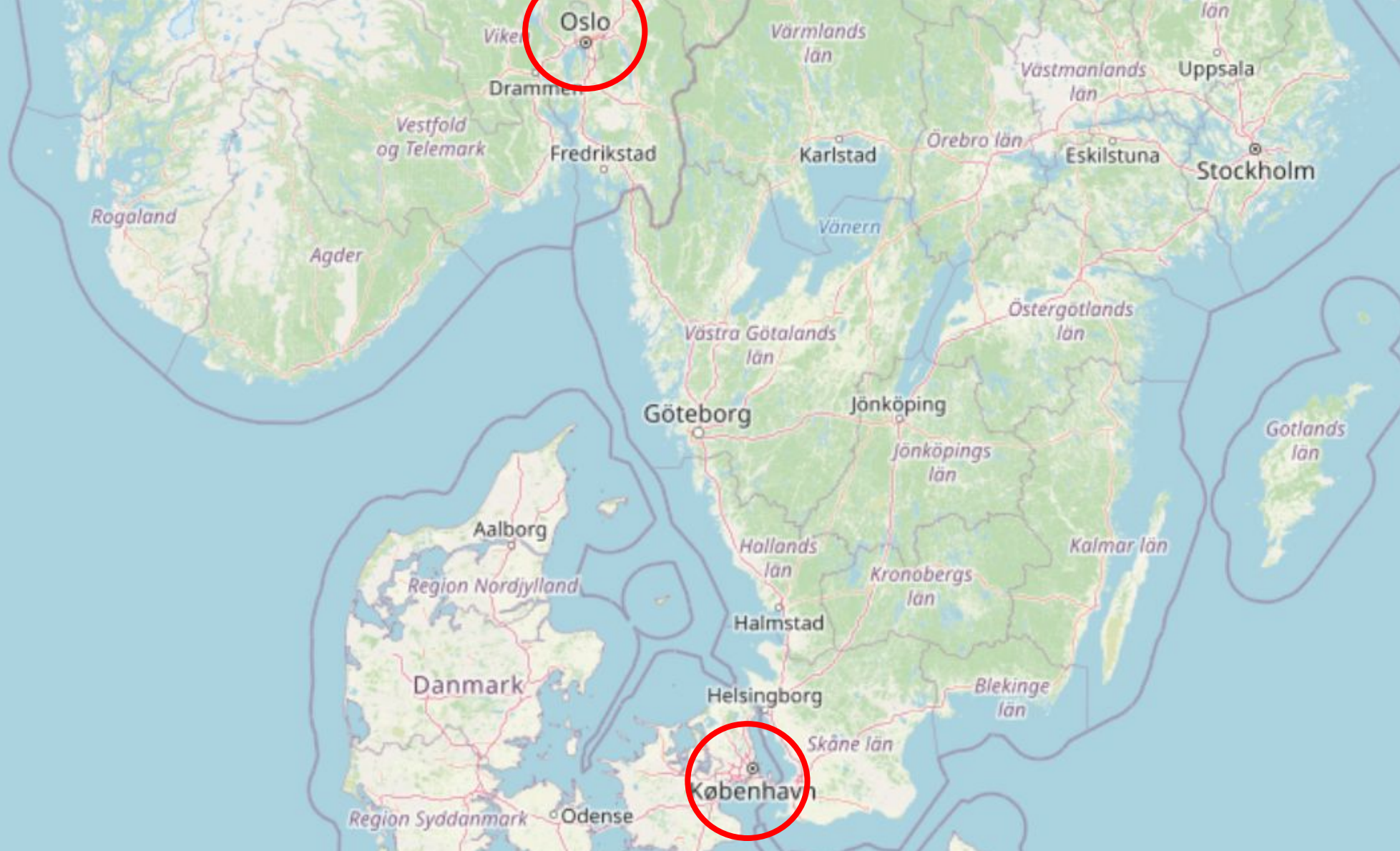


The Research Council of Norway

Onboarding Session

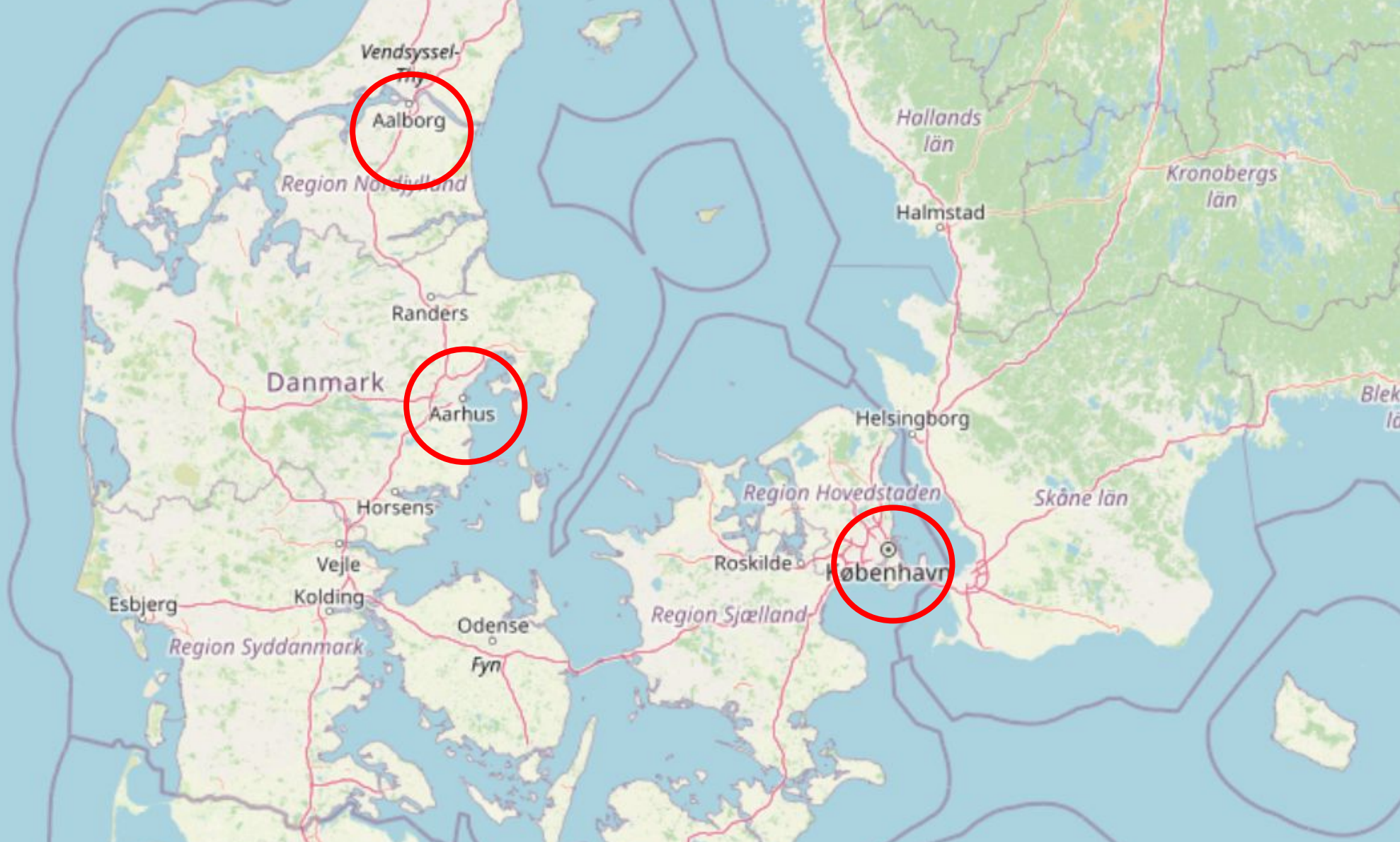
Tour de RITMO Copenhagen, February 2023





Oslo

København



Vendsyssel
Aalborg

Danmark
Aarhus

Region Hovedstaden
København

Onboarding Program

- 11:00-11:10: Welcome and motivation for a joint retreat (Alexander & Anne)
- 11:10-11:15: RITMO's phase 2 (Anne)
- 11:15-11:45: Meet the new RITMOanians
- 11:45-12:00: Break
- 12:00-12:40: Publication exercise (Alexander)
- 12:40-13:00: New in Norway (Bruno)

Danmarks Grundforskningsfonds
Center for Music in the Brain



Egon Petersen
Mark De Haenen
Martin Dietz
Eduardo Rocha





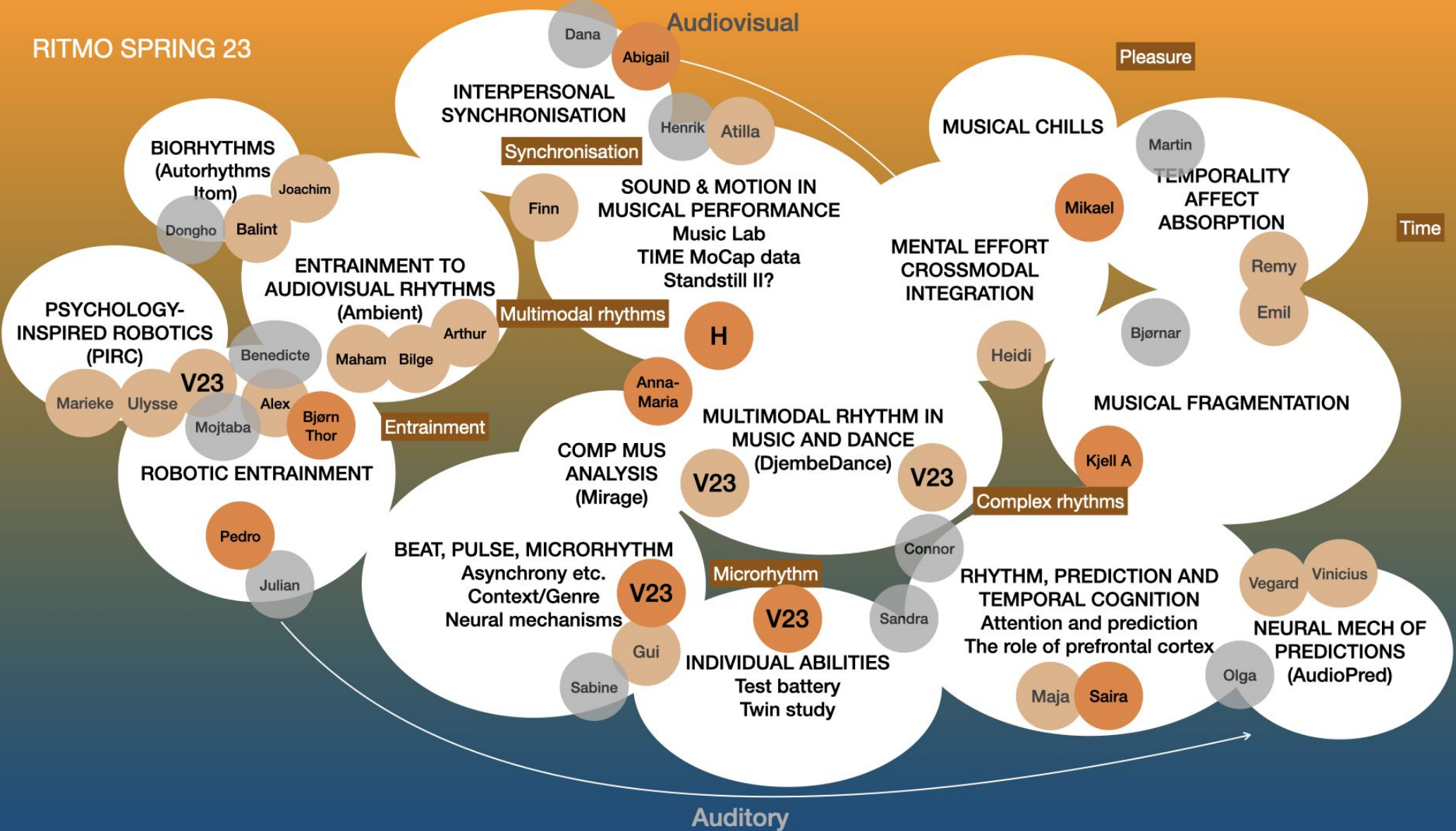
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RITMO aims to expand our understanding of **rhythm** as a fundamental property of human life.

2018

The PEOPLE





**BIORHYTHMS
(Autorhythms)**

Itom

Joachim

Dongho

Balint

**PSYCHOLOGY-
INSPIRED ROBOTICS
(PIRC)**

V23

**Entrainment
(Biological, Robotic, Ambient environments)**

(Biological, Robotic, Ambient environments)

ROBOTIC ENTRAINMENT

Pedro

Julian

**INTERPERSONAL
SYNCHRONISATION**

Synchronisation

**Interaction and Synchronisation
(Social bonding, Musical performance)**

Multimodal rhythms

H

**Microrhythm
(Beat perception, Groove)**

(Beat perception, Groove)

Neural mechanisms

INDIVIDUAL ABILITIES

Test battery
Twin study

Auditory

Audiovisual

Dana

Abigail

Henrik

Atilla

SOUND & MOTION IN
MUSICAL PERFORMANCE

Music Lab

TIME MoCap data

Standstill II?

ENTRAINMENT

AUDIOVISUAL

(Ambient)

MULTIMODAL RHYTHM IN
MUSIC AND DANCE
(DjembeDance)

ANALYSIS
(Mirage)

V23

BEAT PERCEPTION, MICRORHYTHM

Synchronisation

Contingency

Neural mechanisms

Gui

Sabine

MUSICAL CHILLS

Pleasure

**Time and Pleasure
(Absorption, Fragmentation)**

MENTAL EFFORT
CROSSMODAL
INTEGRATION

TEMPORALITY
AFFECT

Martin

Mikael

Emil

Emil

Emil

Emil

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Time

**Prediction and attention
(Complex rhythms, Neural entrainment)**

Complex rhythms

Attention and prediction
The role of prefrontal cortex

NEURAL MECH OF
PREDICTIONS
(AudioPred)

Maja

Saira

Olga

NEURAL MECH OF
PREDICTIONS
(AudioPred)

Vinicius

Vinicius

Vinicius

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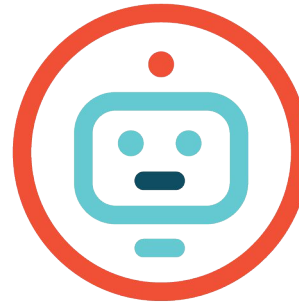
Vinicius

Vinicius

**Interaction &
Pleasure**



**Interaction &
Robotics**

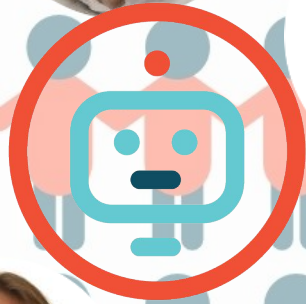


**Structure &
Aesthetics**



**Structure &
Cognition**







We'll start again 12:00



Co-authorship exercise

Solve the problem in teams of 3-4 people