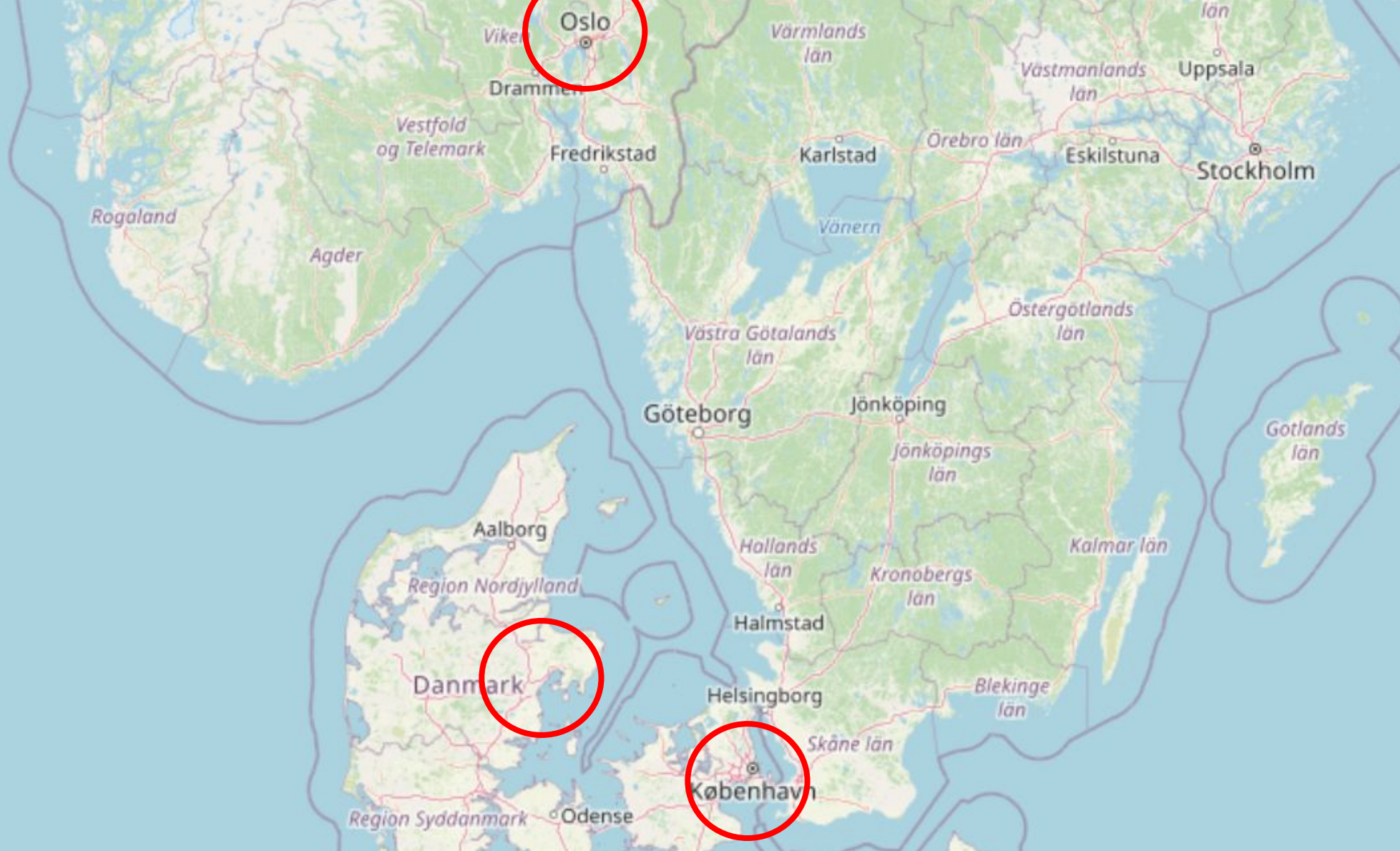




# RITMO–MIB Joint Retreat

Copenhagen, 8-10 February 2022



Oslo

Vike

Värmlands län

Västmanlands län

Uppsala

Drammen

Vestfold og Telemark

Fredrikstad

Karlstad

Örebro län

Eskilstuna

Stockholm

Rogaland

Agder

Vänern

Västra Götalands län

Östergötlands län

Göteborg

Jönköping

Jönköpings län

Gotlands län

Aalborg

Region Nordjylland

Hollands län

Kronobergs län

Kalmar län

Danmark

Halmstad

Helsingborg

Blekinge län

Region Syddanmark

Odense

Skåne län

København

Program



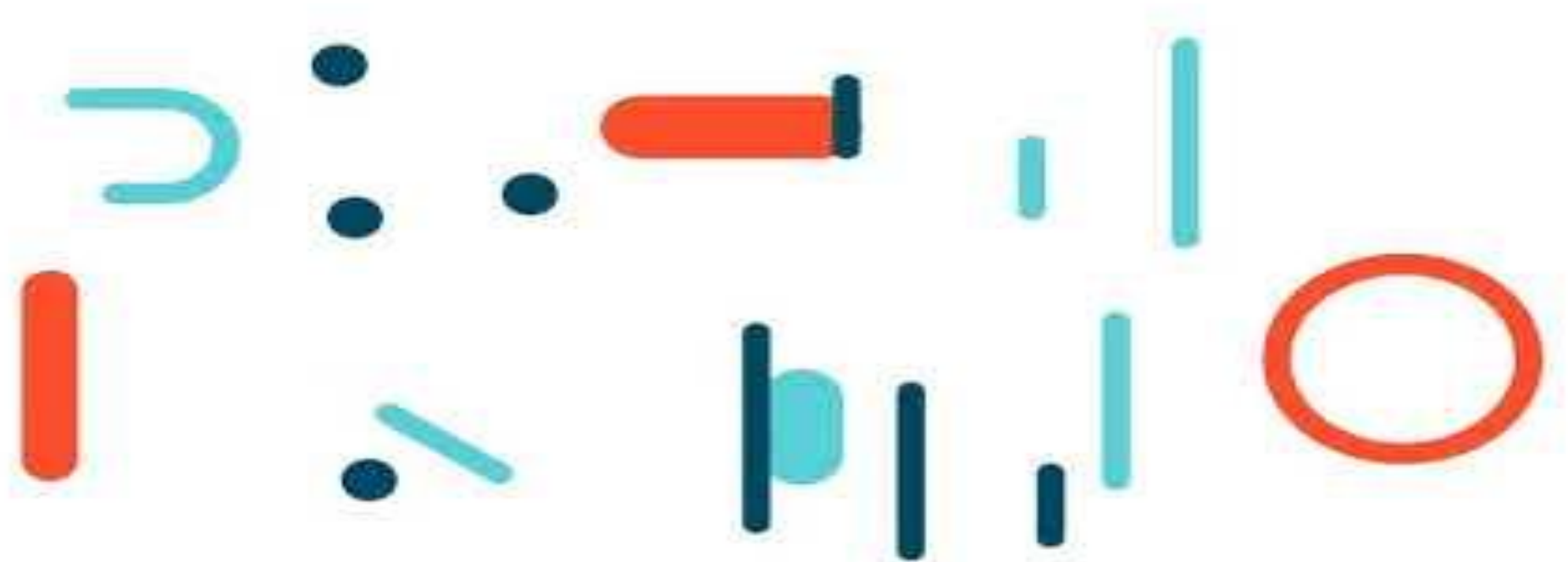
UiO : **RITMO Centre for Interdisciplinary Studies in Rhythm, Time and Motion**  
University of Oslo



The Research Council of Norway

# RITMO - a short introduction

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The PEOPLE



The PEOPLE



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

**What are the basic structures and features of rhythmic phenomena?**

**What are the mechanisms underlying human perception and cognition of rhythm?**





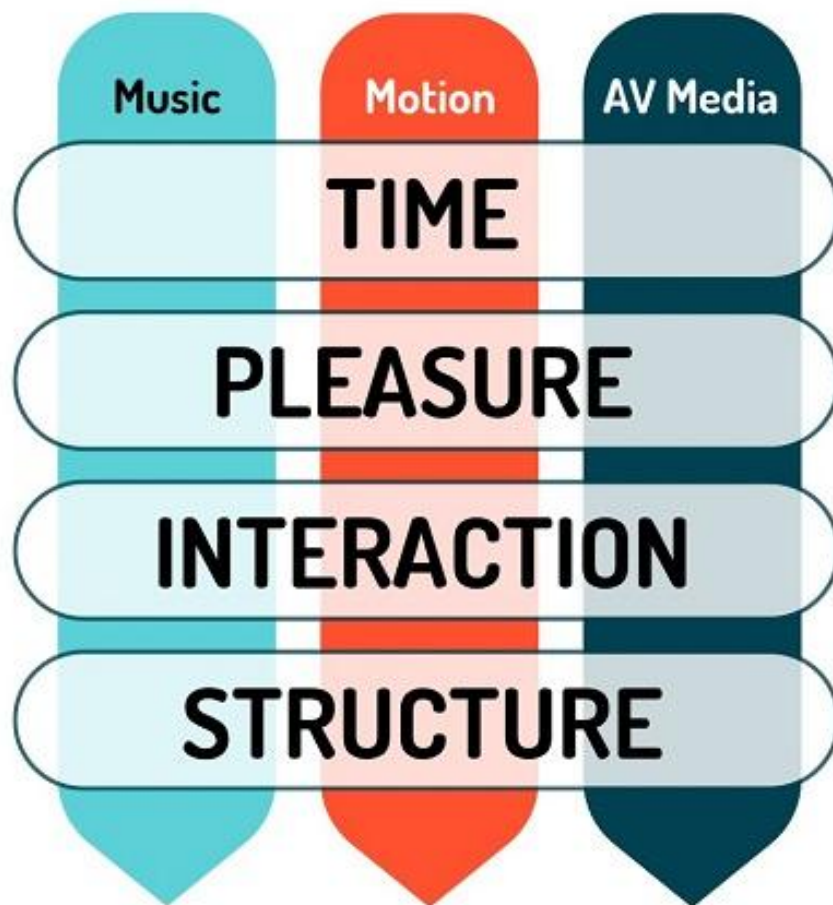
**What are the basic structures and features of rhythmic phenomena?**

**The LINK!**

**What are the mechanisms underlying human perception and cognition of rhythm?**



# HUMAN RHYTHM



**BIORHYTHMS  
(Autorhythms  
Itom)**

Joachim

Dongho Balint

**PSYCHOLOGY-  
INSPIRED ROBOTICS  
(PIRC)**

V23

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

ROBOTIC ENTRAINMENT

Pedro

Julian

**INTERPERSONAL  
SYNCHRONISATION**

Synchronisation

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

SOUND & MOTION IN  
MUSICAL PERFORMANCE

Music Lab

TIME MoCap data

Standstill II?

Multimodal rhythms

H

**Microrhythm  
(Beat perception, Groove)**

ANALYSIS  
(Mirage)

V23

BEAT PERCEPTION, MICRORHYTHM

Synchronisation

Controlling

Neural mechanisms

INDIVIDUAL ABILITIES

Test battery

Twin study

Sabine

Gui

V23

**MUSICAL CHILLS**

Pleasure

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

Martin

Mikael

TEMPORALITY  
AFFECT

MENTAL EFFORT  
CROSSMODAL  
INTEGRATION

Fragmentation

Bjornar

Emil

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

Complex rhythms

RHYTHM PREDICTION AND  
TEMPORAL COGNITION

Attention and prediction

The role of prefrontal cortex

NEURAL MECH OF  
PREDICTIONS  
(AudioPred)

Vinicius

Maja

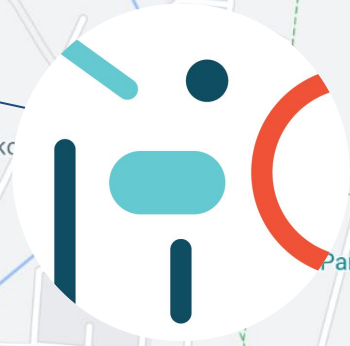
Saira

Olga

Psychology



Informatics



Musicology

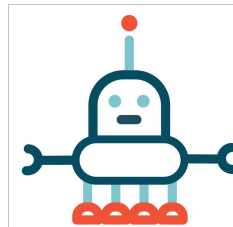
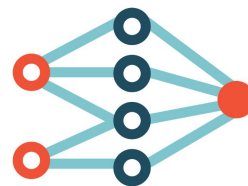
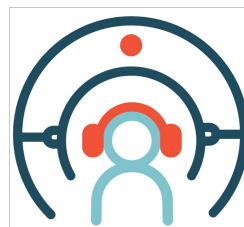
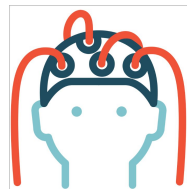
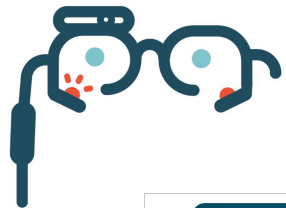




Psychology



Informatics



Musicology











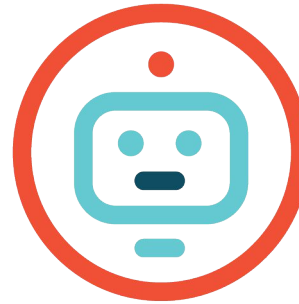




**Interaction &  
Pleasure**



**Interaction &  
Robotics**



**Structure &  
Aesthetics**



**Structure &  
Cognition**





