



# HydroCen

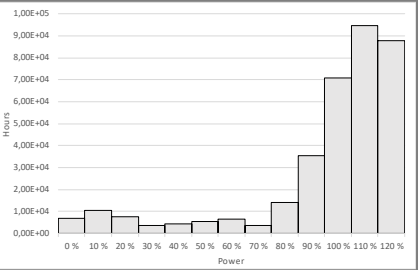
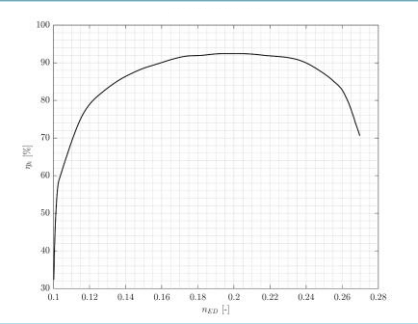
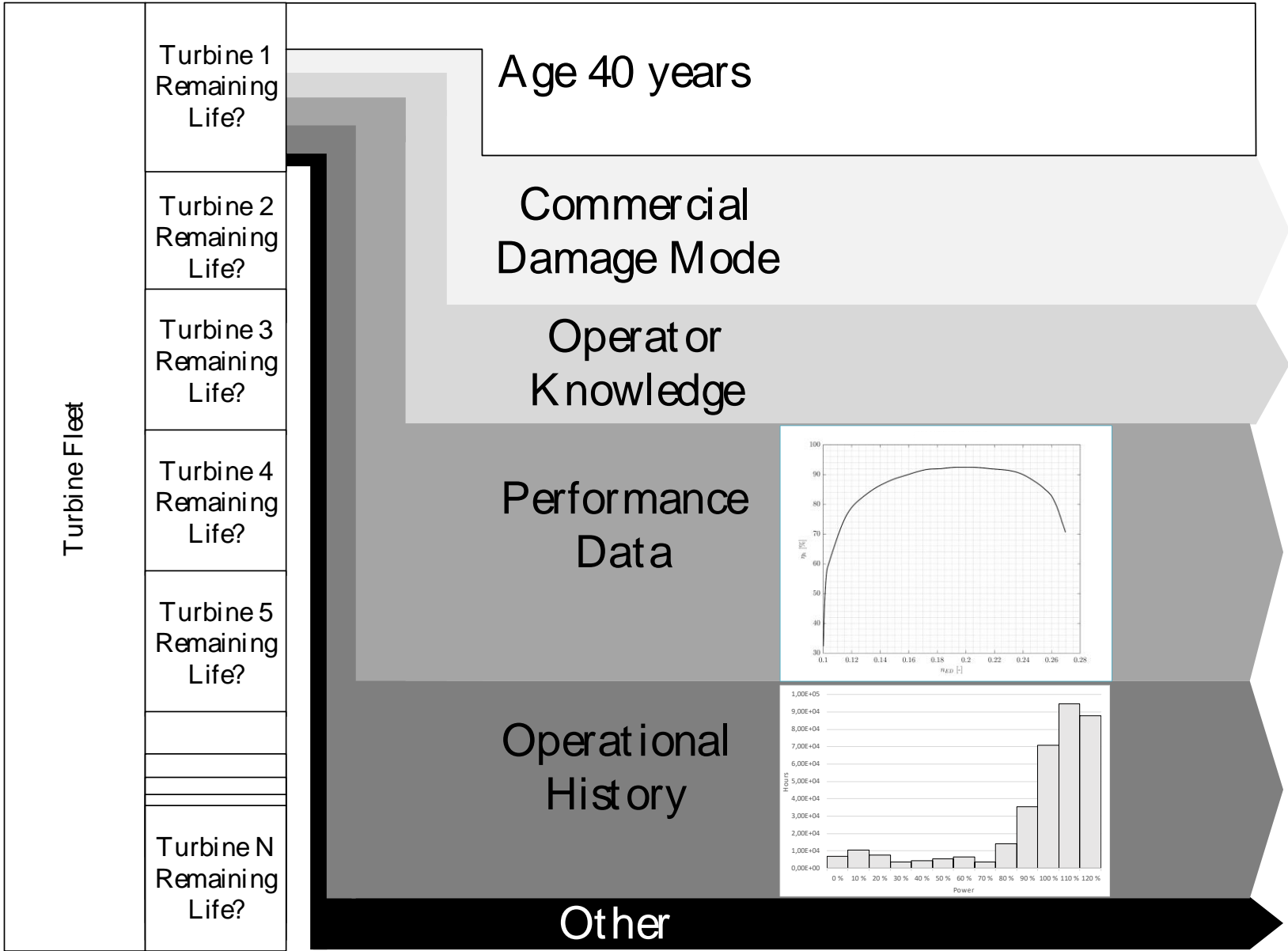
NORWEGIAN RESEARCH CENTRE FOR HYDROPOWER TECHNOLOGY

## GenericLife – A generic lifetime estimator for Hydropower Components

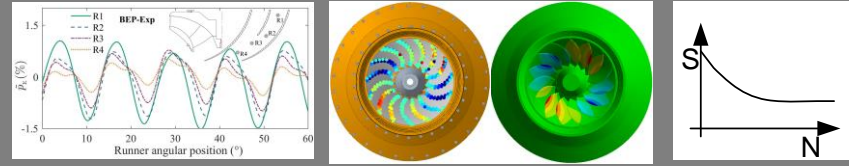
Bjørn W. Solemslie, Waterpower Laboratory, NTNU

Erik Tengs, EDR&Medeso





# Fundamental Research



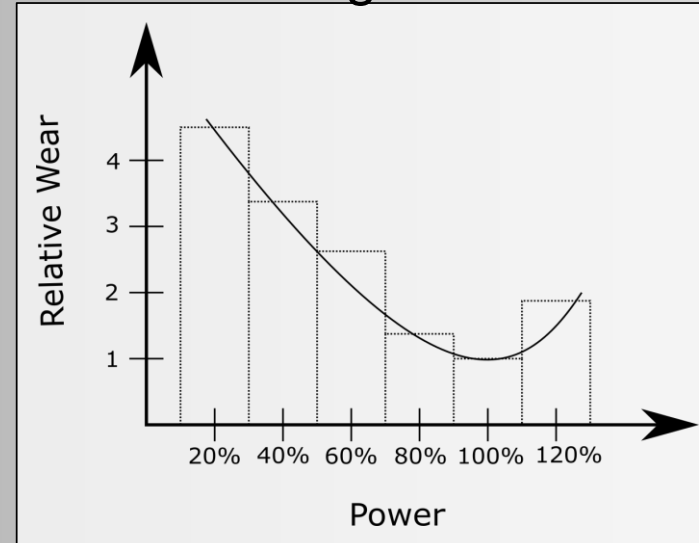
Age 40 years

Commercial  
Damage Mode

Operat or  
Knowledge

Performance  
Data

## Damage model



Operational  
History

Other

Turbine Fleet

Turbine 1  
Remaining  
Life?

Turbine 2  
Remaining  
Life?

Turbine 3  
Remaining  
Life?

Turbine 4  
Remaining  
Life?

Turbine 5  
Remaining  
Life?

Turbine N  
Remaining  
Life?

