

# eCOST – WG3 – Liver Task Group

Framework, Milestones, Deliverables

# Overview

- Leaders: [Cervinkova Zuzana](#) CZ / [Sumbalova Zuzana](#) AT
- Participants: [Monsalve Maria](#) ES, [Palmeira Carlos](#) PT
  - WE NEED TO GROW!
- INTERCOST – home grant
  - Possibility to finance your eCOST research

# Deliverables

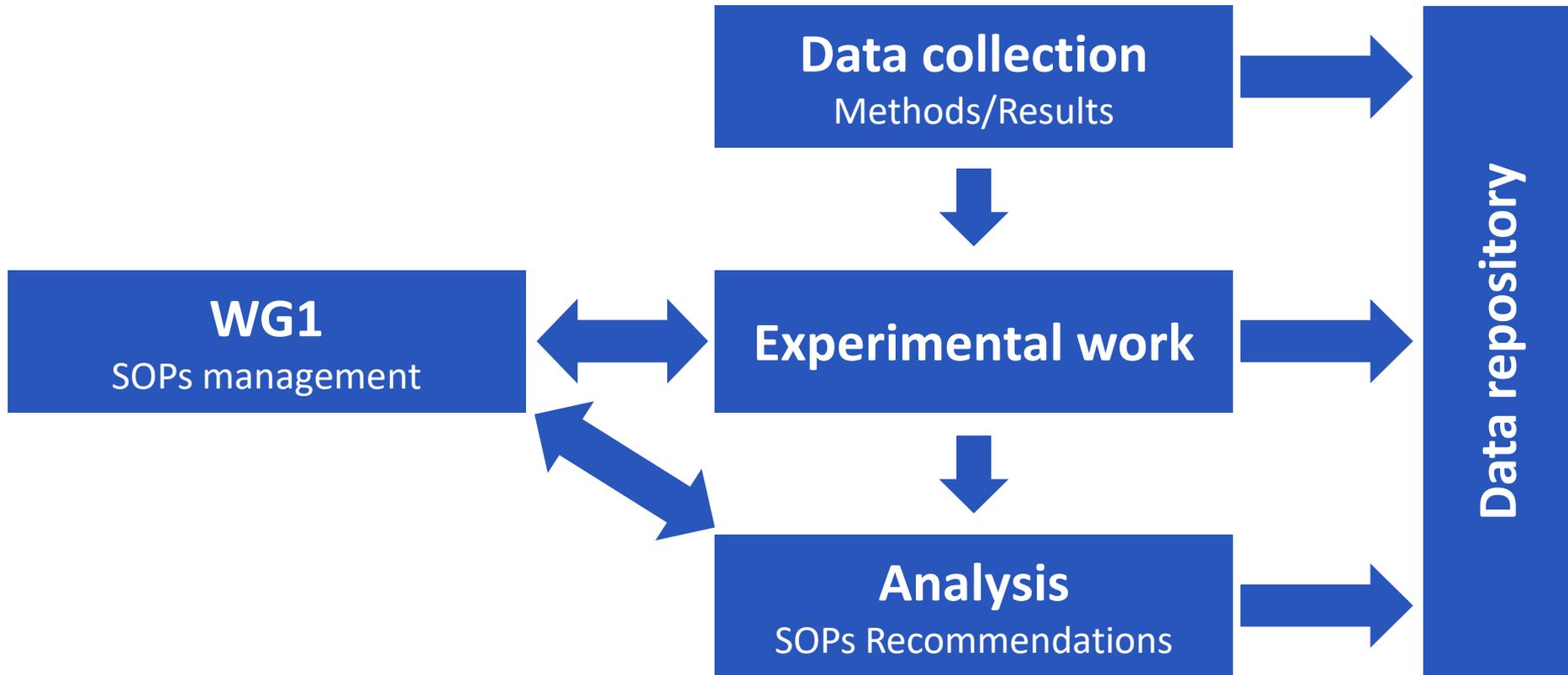
- Standard Operating Procedures (SOPs)
- Database
- Quality Control

# SOPs:

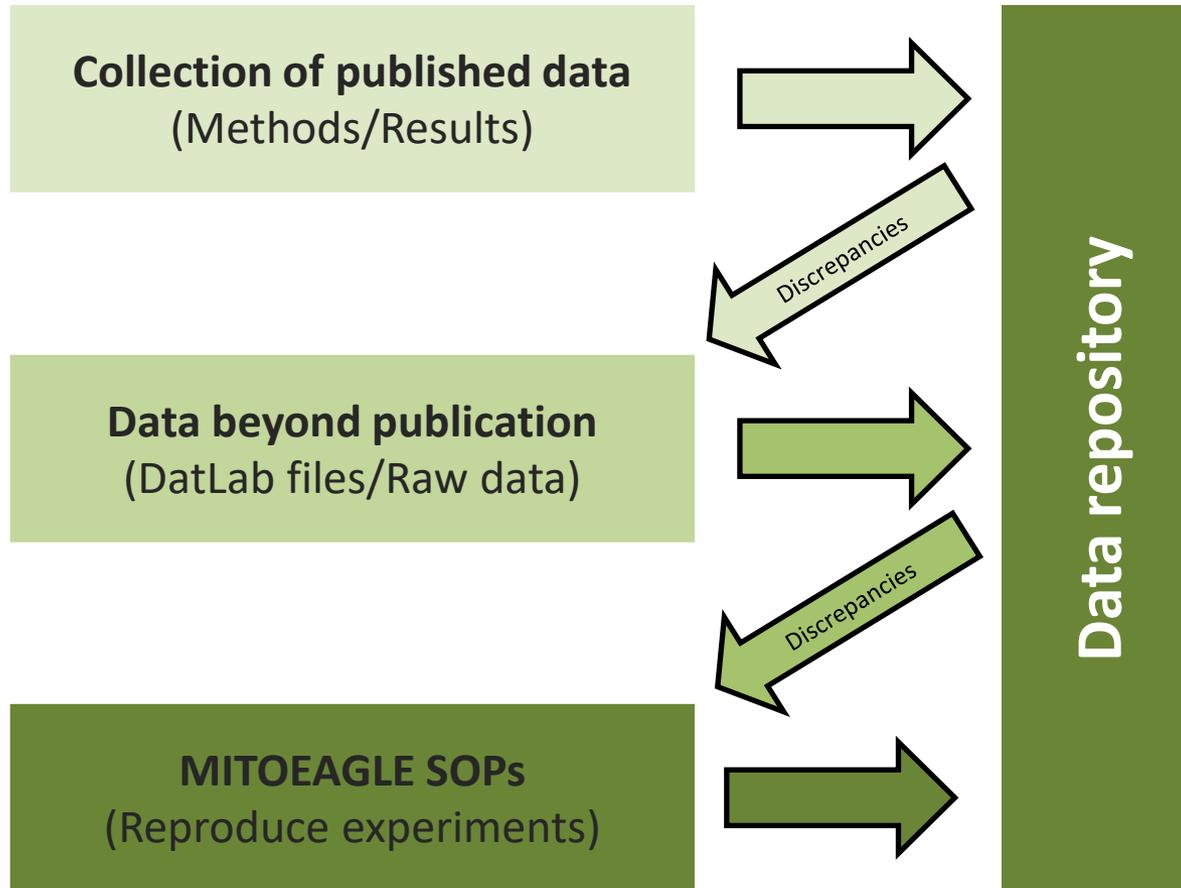
## Liver tissue

1. Sample preparation
  - solution, process
2. Respiratory media
  - composition, temperature,
3. Respiratory protocols
  - chemicals, concentrations
4. Data evaluation
  - standardization, templates

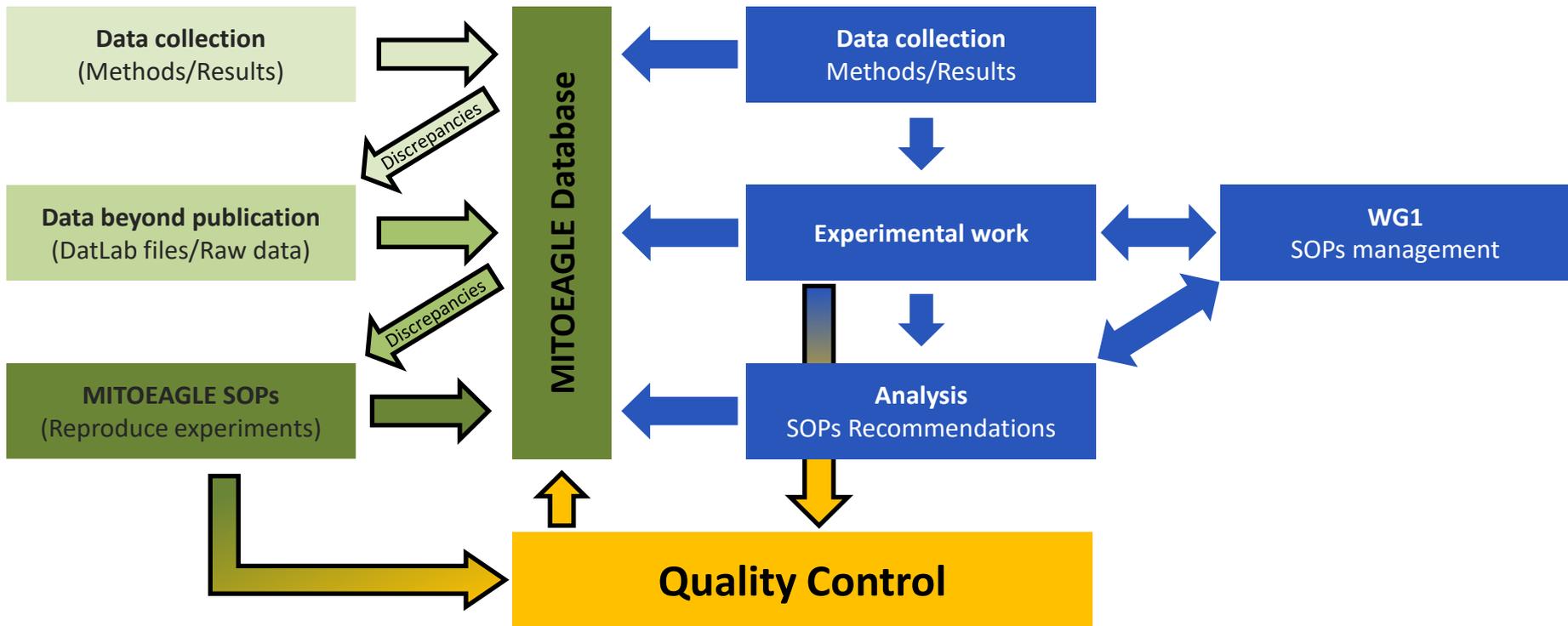
# SOPs - Framework



# Database - Framework



# Quality control - Framework



# Critical issues

- Separate approach to each of 5 experimental models
  - Isolated mitochondria (1) – „**Gold standard**“
  - Tissue homogenate (2) – easy to get, easy to use...  
Could it be a good substitute? Limitations?
  - Primary hepatocytes – Comparison to cell lines
    - Permeabilized cells (3)
    - Intact cells in suspension (4)
    - Harvested cultured cells (5)

# Critical issues

- Collect data in MITOEAGLE spirit
  - Species
  - Age
  - Gender
  - **Control diet**
  - *Weight of animal*
  - *Relative weight of liver*
  - Experimental model

# Necessary tools

- Communication channel
  - Crucial to maintain high efficiency of our work
- Database
  - Immediate data storage
  - Data template
- Networking itself (STSM,...)
  - Important to train teams in sample preparations



# Working group 3 – Liver section



Barcelona (March)

Obergurgl (July)

Prague (November)

End of 2017

	<b>SOPs</b>			
			<b>MITOEAGLE DATABASE</b>	
		<b>Quality Control</b>		

