

# Flexible Task allocation in Participatory Sensing

Li Yungao @seu-monash JGS



# Outline

- Participatory Sensing System



# Outline

- Participatory Sensing System
- Objectives



# Outline

- Participatory Sensing System
- Objectives
- Main challenges

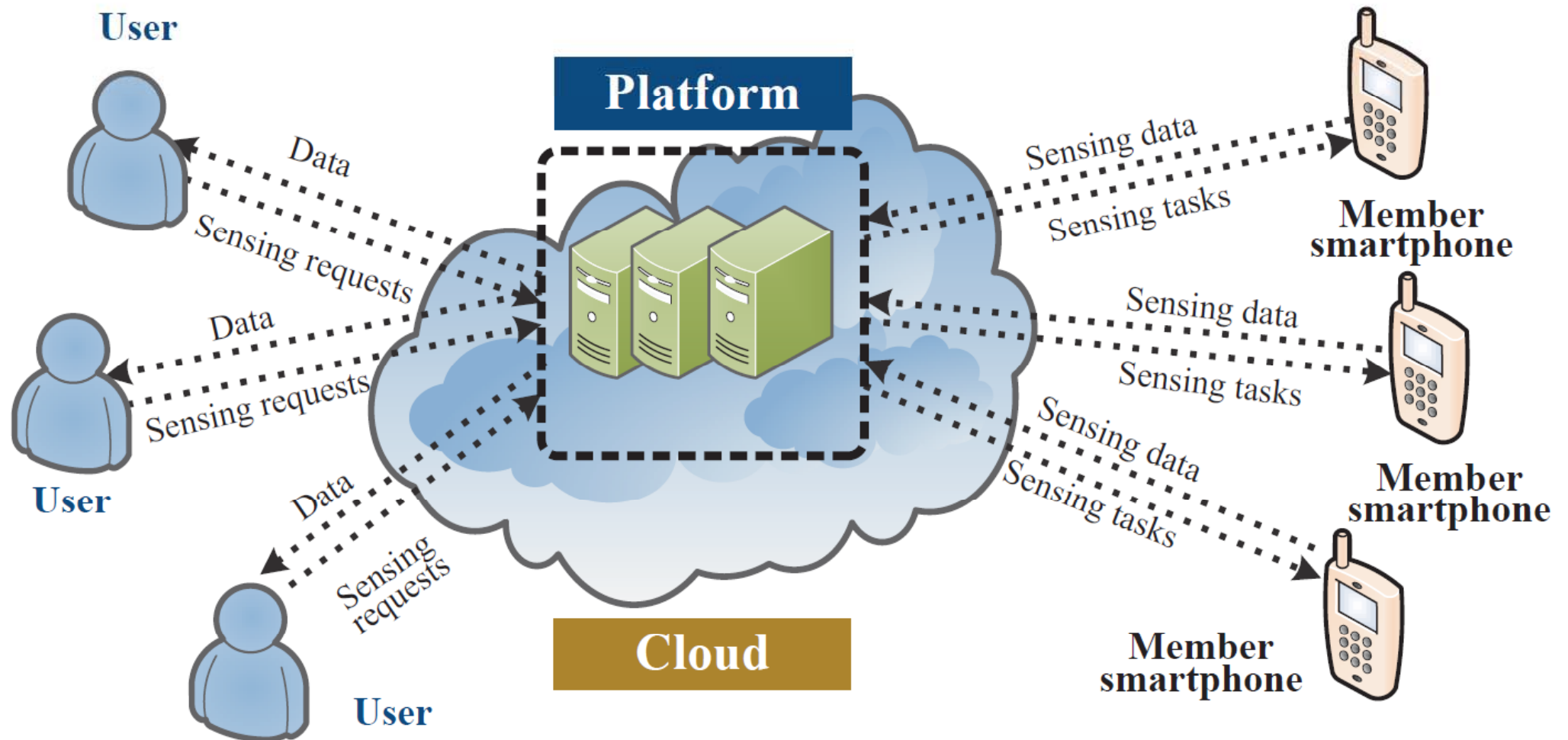


# Outline

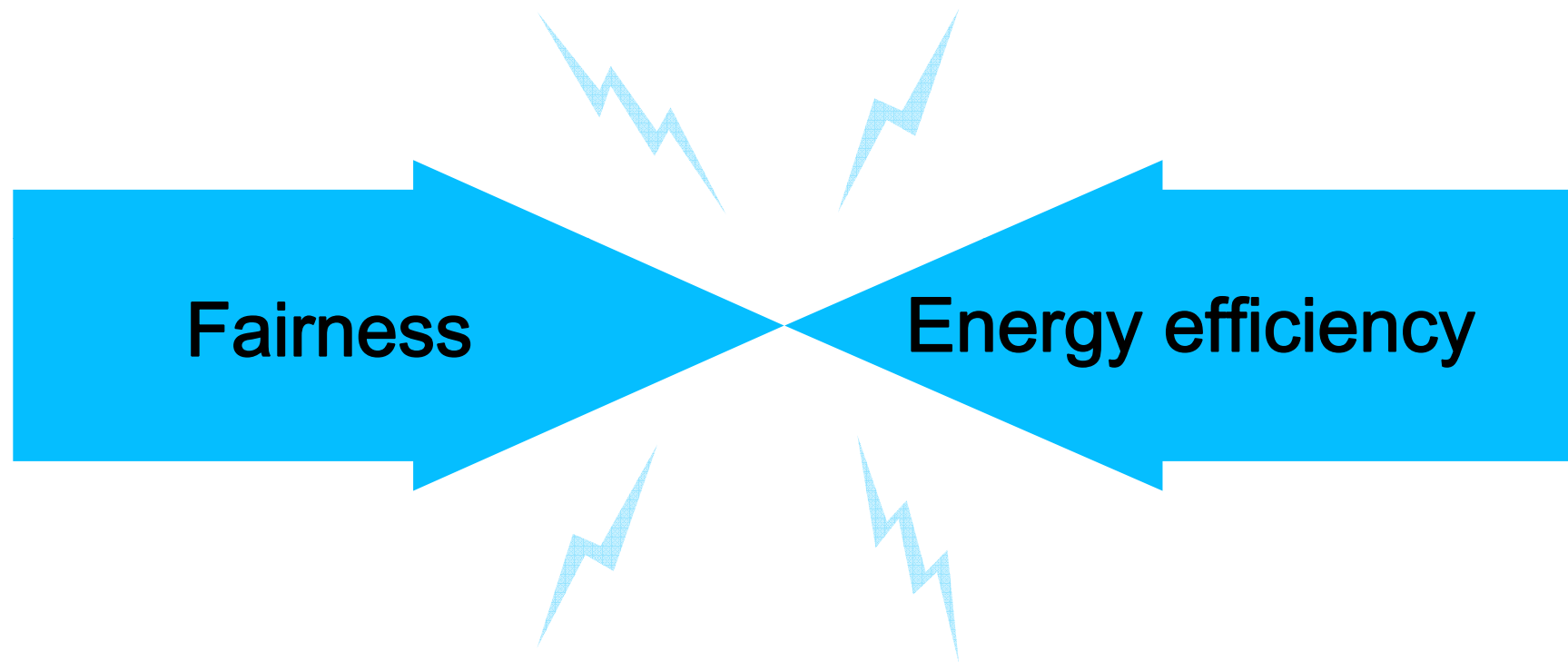
- Participatory Sensing System
- Objectives
- Main challenges
- Significane



# Participatory Sensing



# Participatory Sensing

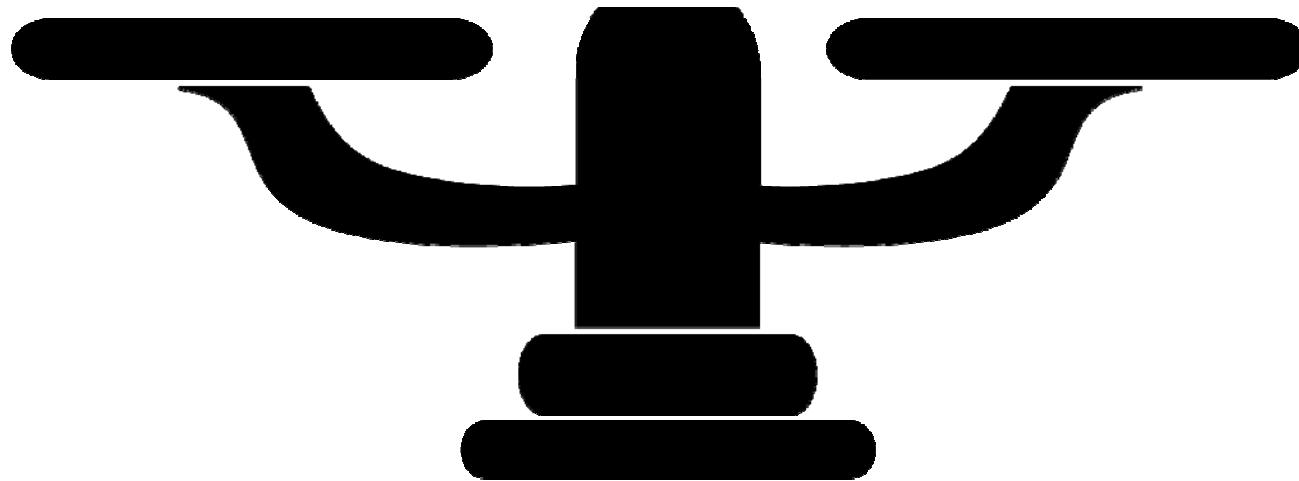


# Objective

## Flexible Tasks

Fairness

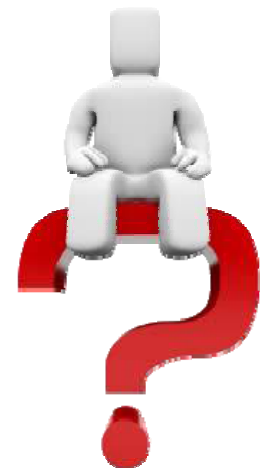
Energy efficiency





# Main Challenges

- Balance between fairness and energy efficiency



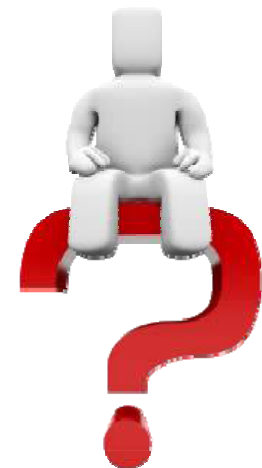
# Main Challenges

- Balance between fairness and energy efficiency
- Number of smart-phones and sensing tasks



# Main Challenges

- Balance between fairness and energy efficiency
- Number of smart-phones and sensing tasks
- Incomplete information of sensing tasks



# Related Works



Fixed Task Allocation

# Significance



- More applicable

# Significance



- More applicable
- More efficient

# Significance



- More applicable
- More efficient
- Challenging

# Conclusion

- Competitively new area
- Challenging
- Significant





THANK YOU .

