

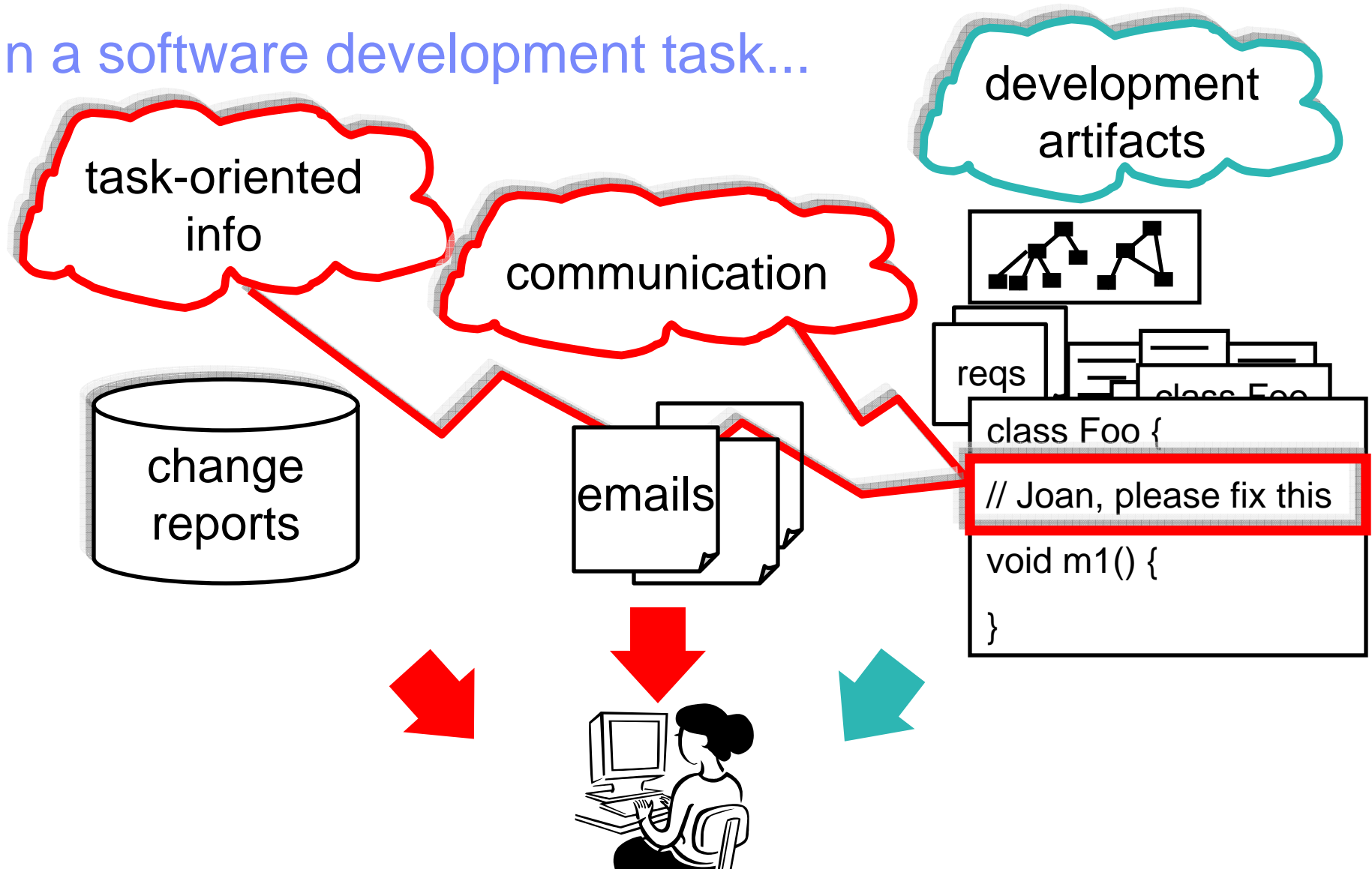


IBM Watson Research Center

# Source code that talks: an exploration of Eclipse task comments and their implication to repository mining

Annie Ying  
(joint work with Jim Wright & Steve Abrams)

# In a software development task...



## Empirical study on Eclipse task comments

Eclipse task comments	communication	pointer to a change request	past task	current task	future task	location marker
// TODO an ugly hack for now -sue. Joan, please fix it	✓		✓	✓		✓
// TODO eliminate this once ECR 317 complete	✓	✓			✓	✓

## Conclusion

- **Presented observations on uses of comments**
  - e.g., task-oriented info and communication
- **Take-home message:**
  - When mining software repositories, consider analyzing comments.

# The End

## Challenges in analyzing Eclipse task comments

