



Paradata in Emergency Services Communications Systems

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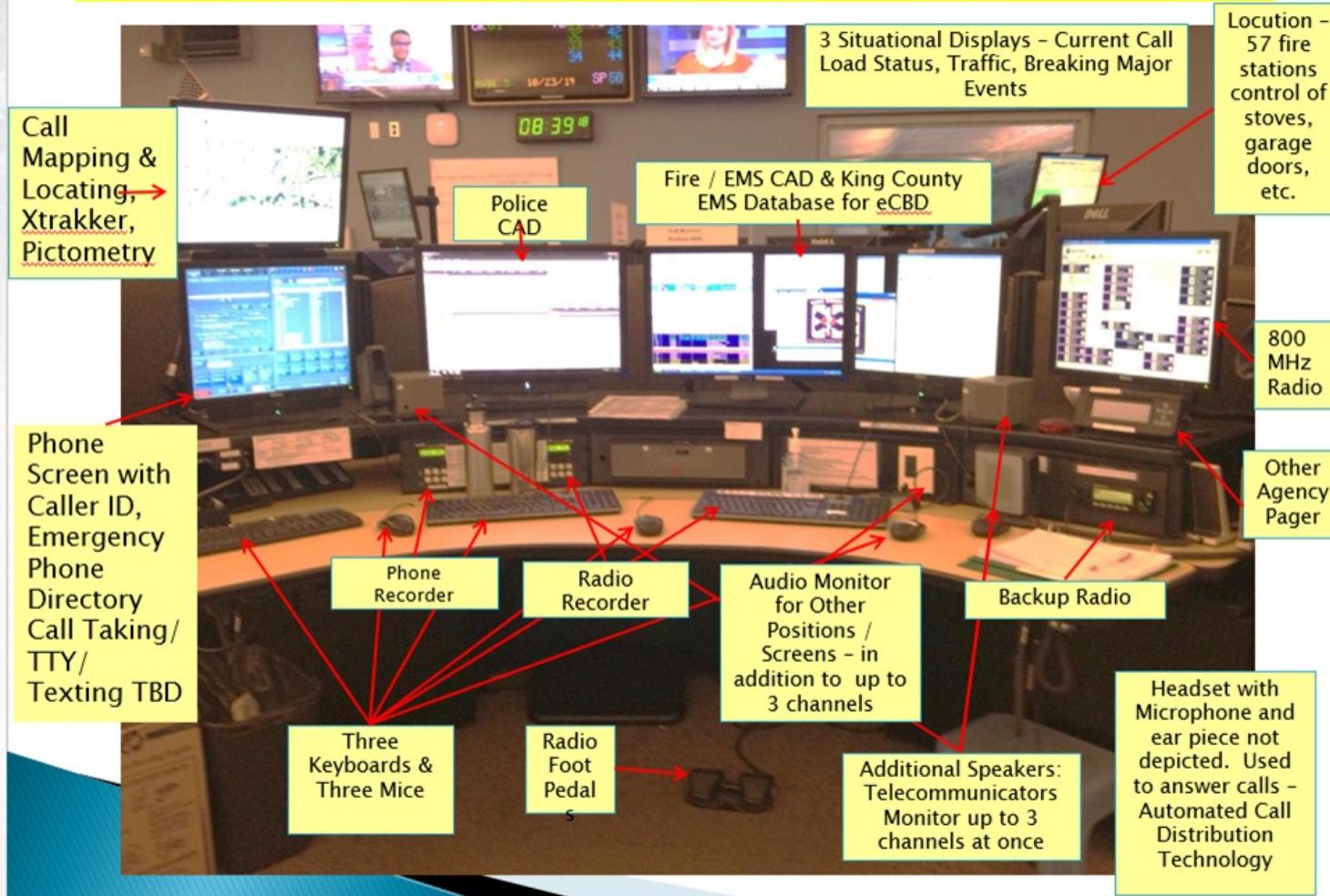
InterPARES Summer School Symposium
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Motivation

- ESCS is critical infrastructure
- ESCS is legacy technology, but needs to evolve
 - “Next Generation 911” in US
 - Will expand its “attack surface”
- ESCS needs to work
- How will an ESCS react in major event?
- How can ESCS be improved to provide additional capabilities?
- How can ESCS operation be improved?
- Similarities and differences in local implementation will be instructive



Current 911 Multi-Tasking Complexity

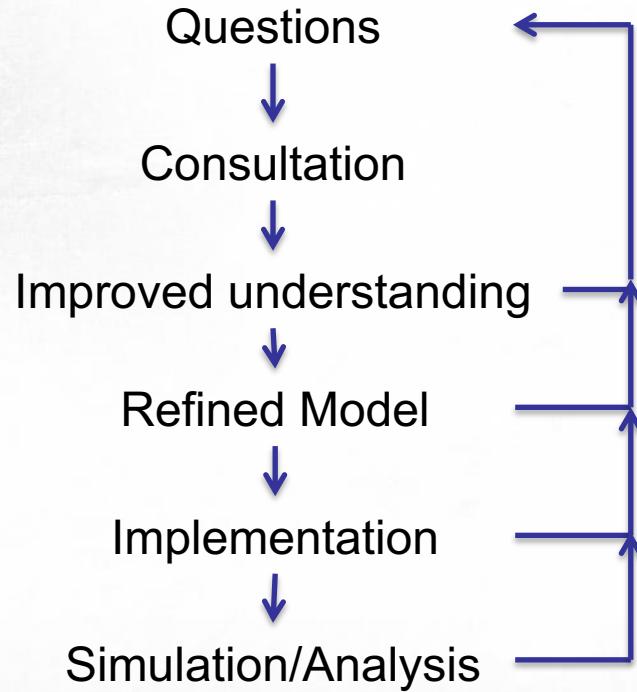


What is paradata?

- Information about the process of collecting/generating data
- Paradata from ESCS operation, management, technical systems
- Paradata from the modeling and investigation
- Paradata from the transfer of data from ESCS operators to investigators



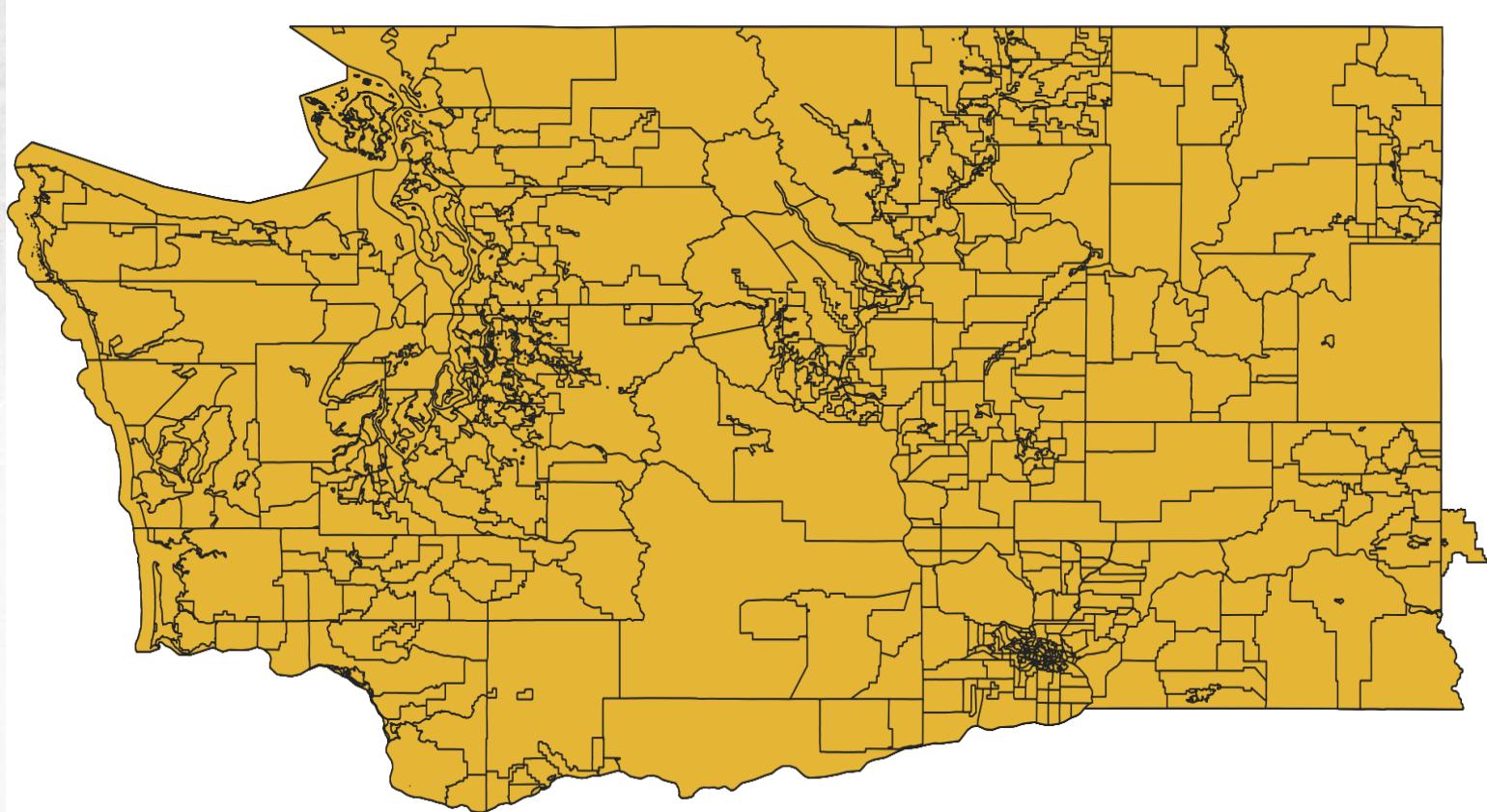
Iterative Modeling Process



ESCS DATA

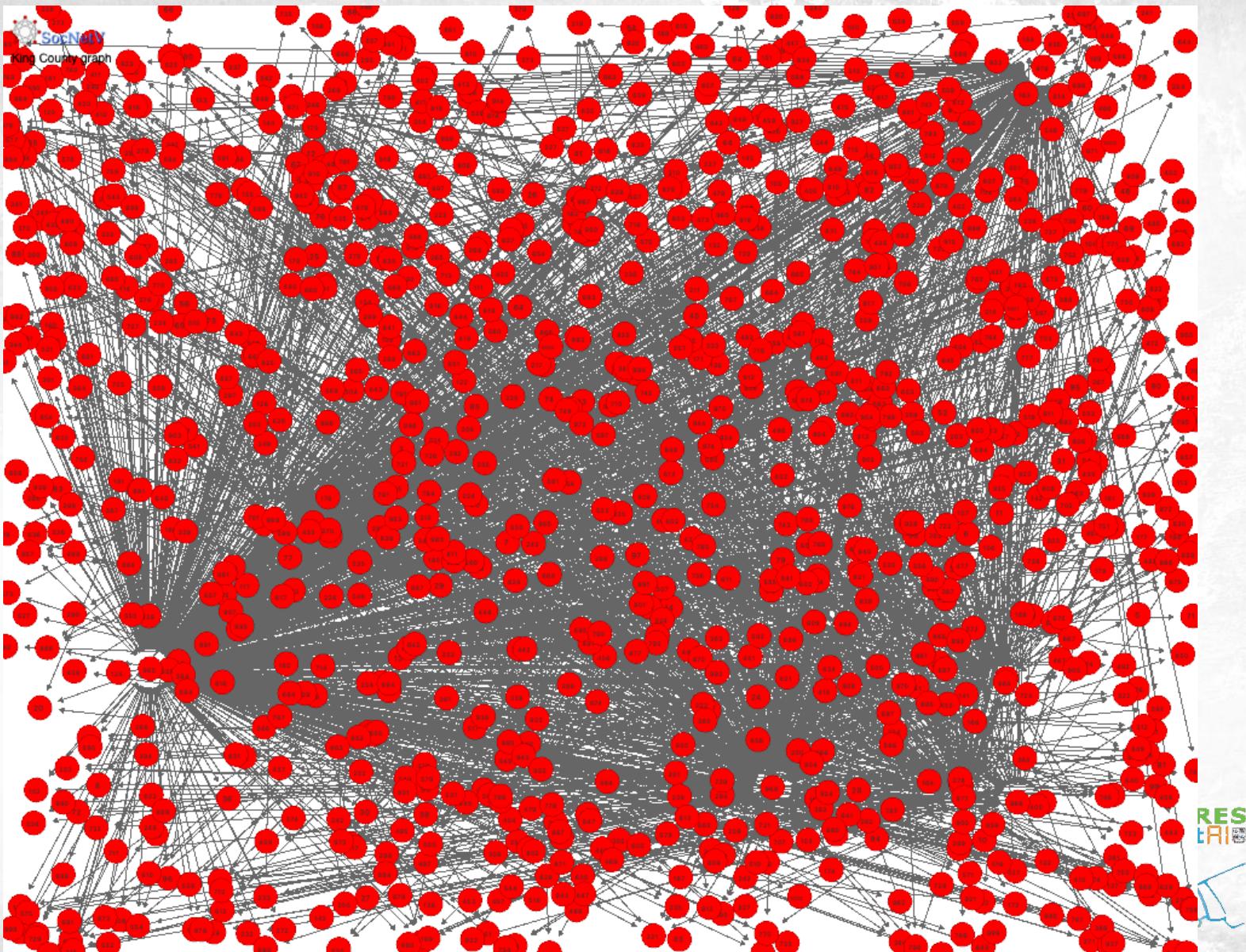
InterPARES
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INTERAREAS
TrustAIR





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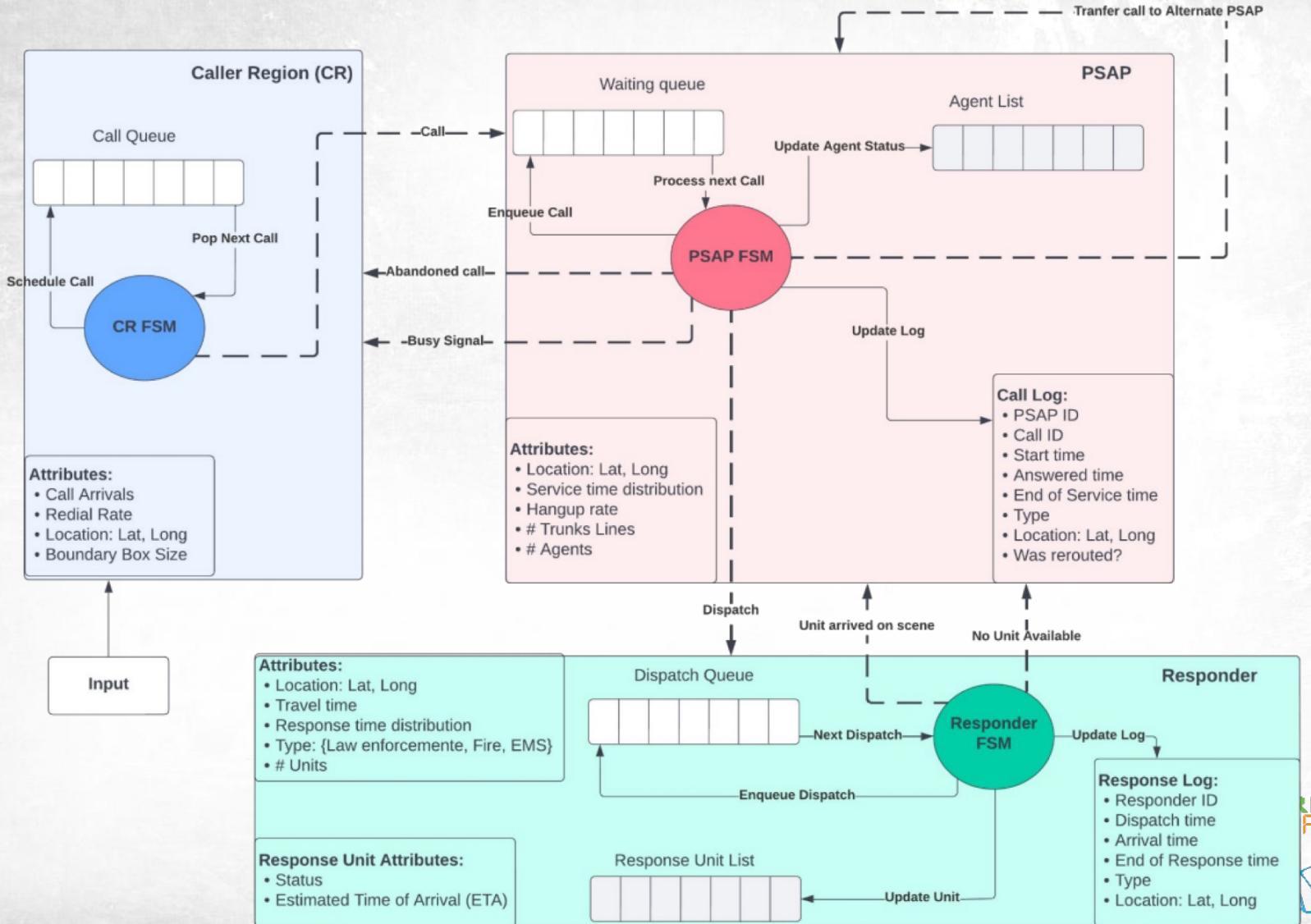
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1																		
2		7346		38	7346		38		urn:nena:u #####	#####	#####	00:00:05	00:00:37	00:00:42	Wireline1			
3		7346		38	7346		38	3	urn:nena:u #####	#####	#####	00:00:04	00:03:46	00:03:50	Wireline2			
4		7346		38					urn:nena:u #####	#####	No Answer	00:00:00	00:00:04	Wireline3				



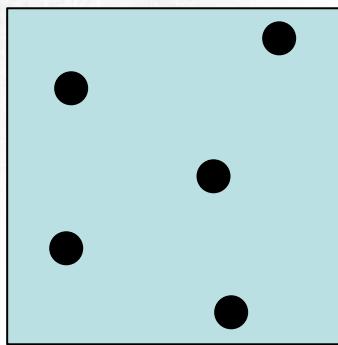
MODELS

InterPARES
TrustAI

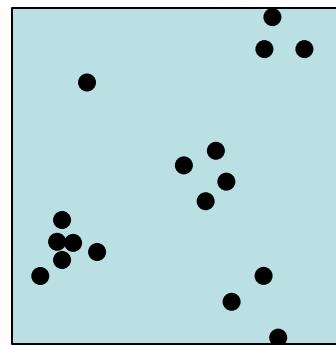




Model of call generation



Primary process



Secondary process





Graphitti Public

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Commits

master ▼

Commits on Jun 29, 2023

Merge pull request #479 from UWB-Biocomputing/hotfix-change-action-de...

stiber committed last week ✓

Verified

7e7a3e8

Changed development branch name

stiber committed last week ✗

f5a259b

Commits on Jun 27, 2023

Merge pull request #474 from UWB-Biocomputing/development-1h23

stiber committed last week ✓

Verified

d316238

Merge pull request #476 from UWB-Biocomputing/issue-475-add-contributor

stiber committed last week ✗

Verified

7f87030

Generate SVG and PNG images for PlantUML diagrams

KamathScience authored and `github-actions[bot]` committed last week

37d0d54

Resolve code style violation on Global.h

KamathScience committed last week ✓

Verified

e4c4cf9

Added Andrzej Dawiec to Contributors.md

Andrzej Dawiec committed last week ✓

f55116c

Updates PlantUML to use latest auto commit action

stiber committed last week ✗

6504b1c

Merge branch 'master' into development-1h23

ace0509

LICENSE

Initial commit

3 years ago



