THE WALLENBERG LAUNCH PAD (WALP) OVERVIEW

WALP SEMINAR | 2021-01-21

BACKGROUND - INVESTMENT IN INNOVATION

- KAW together with the Wallenberg innovation ecosystem decided in 2019 to invest in an **innovation platform** pilot called the **Wallenberg Launch Pad (WALP)**.

- WALP secures a concept and framework to **foster technology transfer and orchestrate innovation for KAW scientists**, fellows, scholars, as well as KAW financed projects **in the areas of**

  - Artificial Intelligence, Autonomous Systems, Software Technology,

  - Quantum Technology and

  - Data Driven Life Science

  - Organic and Printed Electronics

- WALP will support and enable the professors and researchers to **validate their research results outside of academia** and verify what kind of industrial or societal impact they can make

- WALP has two phases: ***Exploration and Research Validation***

- The WALP phases are **nonconditional innovation support from KAW** through the universities.

- WALP is run by Sara Mazur, Sandor Albrecht and Pontus De Laval.

- Public information is on the WASP site: https://wasp-sweden.org/opportunities/wallenberg-launchpad-walp/ (Information on the WACQT site coming soon…)

OVERVIEW OF THE WALP PROCESS

WALP Phase 1
Exploration

WALP Phase 2 Pitch
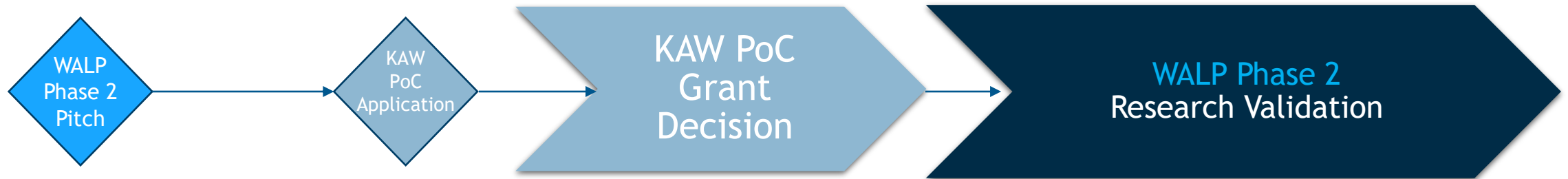
WALP Phase 2
Research Validation

Phase 1 main activities:

- **Raise awareness** among the KAW scientist and systematically explore the research projects might be relevant for WALP. **WALP events** for KAW scientists and researchers (organized by WASP and WACQT). This is directed to WASP, WASP-HS, WACQT scientists as well as other KAW financed scientists with relevant research.
- **Coaching of scientists** who already have an idea and prepare them for the Phase 2 entry pitch and PoC grant from KAW
- **Managing the idea funnel** and make it available for the KAW community

Phase 2 main activities:

- Continue to **build the team** and complement it with, e.g., SW/HW experts. Note that at least one member of the project team should be affiliated with KAW
- Develop a **Minimum Viable Product** for research validation
- Establish deeper **relationship with potential users**, do pilots and verify the value potential

OVERVIEW OF THE WALP PROCESS

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WALP          KAW              KAW PoC                    WALP Phase 2
Phase 2  →    PoC        →      Grant          →          Research Validation
Pitch         Application       Decision
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- **Idea is pitched** to the Phase 2 Entry Board
- The Phase 2 Entry Board send a **recommendation to KAW** for a Research Validation PoC

- The KAW affiliated **researcher applies** for the KAW PoC grant

- KAW PoC **grant** can only be used for costs **at a university** and should follow the university's processes and regulations
- KAW PoC grant is usually covering costs for **up to 24 months** with check points every 6 months
- Costs that are allowed on a KAW PoC grant:
  - Salary of project members hired by the university
  - Infrastructure such as computers and special hardware
  - Software licenses
  - Travel cost to attend conferences and fairs
  - Rent of office/lab space
  - Up to 20 % university indirect costs

OVERALL WALP FUNNEL STATS PER UNIVERSITY

	WALP Phase 1 - Exploration	WALP Phase 2 Pitch	WALP Phase 2 - Research Validation Proposed KAW PoC Grant	
Total	*18*	*11*	*8*	
CHALMERS	1	0	0	
KTH	7	4	3	
LUND UNIVERSITY	6	5	3	WASP: 4
STOCKHOLMS UNIVERSITET	1	1	1	WACQT: 3
UMEÅ UNIVERSITET	1	1	1	WASP-HS: 1
UPPSALA UNIVERSITET	1	0	0	
LINKÖPING UNIVERSITY	1	0	0	

PROJECTS IN WALP PHASE 2 – RESEARCH VALIDATION

#	Idea Owner Name(s)	University	KAW Affiliation	Idea/Project Name	Date of Phase 1 Exit	Number of days in WALP Phase 1	Project length [months]
1	Volker Krueger	Lund University	WASP	SkiROS	2019-09-27	114	16
2	Danica Kragic Ali Ghadirzadeh Mårten Björkman	KTH	WASP	Closed Loop	2020-02-20	286	6
3	**Mohamed Bourennane**	**Stockholm University**	**WACQT**	**Quantum Secure Metro Network**	**2020-06-04**	**177**	**12**
4	**David B Haviland**	**KTH**	**WACQT**	**Quantum computer controller**	**2020-04-28**	**99**	**12**
5	Andreas Theodorou Virginia Dignum	Umeå University	WASP-HS	Responsible Artificial Intelligence	2020-05-07	98	12
6	Luigi Nardi	Lund University	WASP	HyperMapper: A Bayesian Optimizer	2020-06-18	114	6
7	**Stefan Kröll**	**Lund University**	**WACQT**	**Deep tissue optical imaging**	**2020-09-22**	**228**	**24**
8	Gustav Henter	KTH	WASP	MoGlow	2020-10-27	68	12