Glaciers_cci Phase 2: Objectives

F. Paul* and the Glaciers_cci consortium

******Department of Geography, University of Zurich***

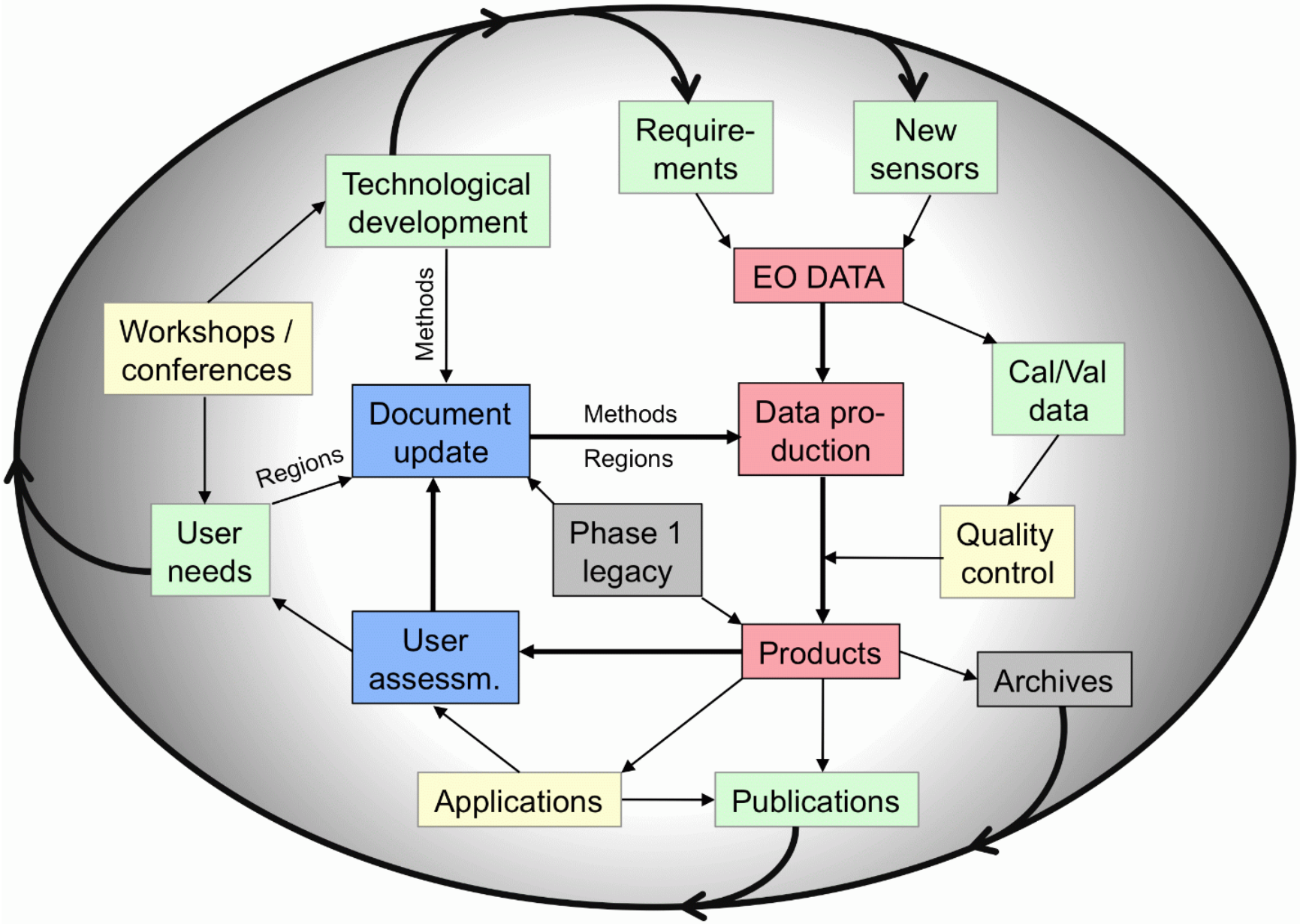
Overview Sensors and Products

Nr.	Product	Type	Sensors	Processing	Purpose	Period
1a	Area	optical	TM/ETM+, OLI, ASTER, S2-MSI	band ratio	outline mapping	1984 -
1b	Area	microwave	PALSAR	coherence	debris identification	2006-2011
2a	Elev. Change	laser altimetry	ICESat GLAS	repeat pass	trends at points	2003-2009
2b	Elev. Change	radar altimetry	RA / RA2, CS2	repeat pass	trends at points	1991 -
2c	Elev. Change	altimetry-DEM	2a & 2b with 2e	difference	elevation change at points	vaiable
2d	Elev. Change	altimetry-DEM	2a with 2e	difference	accuracy	variable
2e	Elev. Change	two DEMs	ASTER, SPOT SRTM, TanDEM-X	differencing	multiannual elevation changes	1995 -
3a	Velocity	optical	see 1a	repeat pass	monthly and annual means	1984 -
3b	Velocity	microwave	PALSAR, ASAR, ERS1/2,TerraSAR-X, S1	repeat pass	monthly means	1991 -

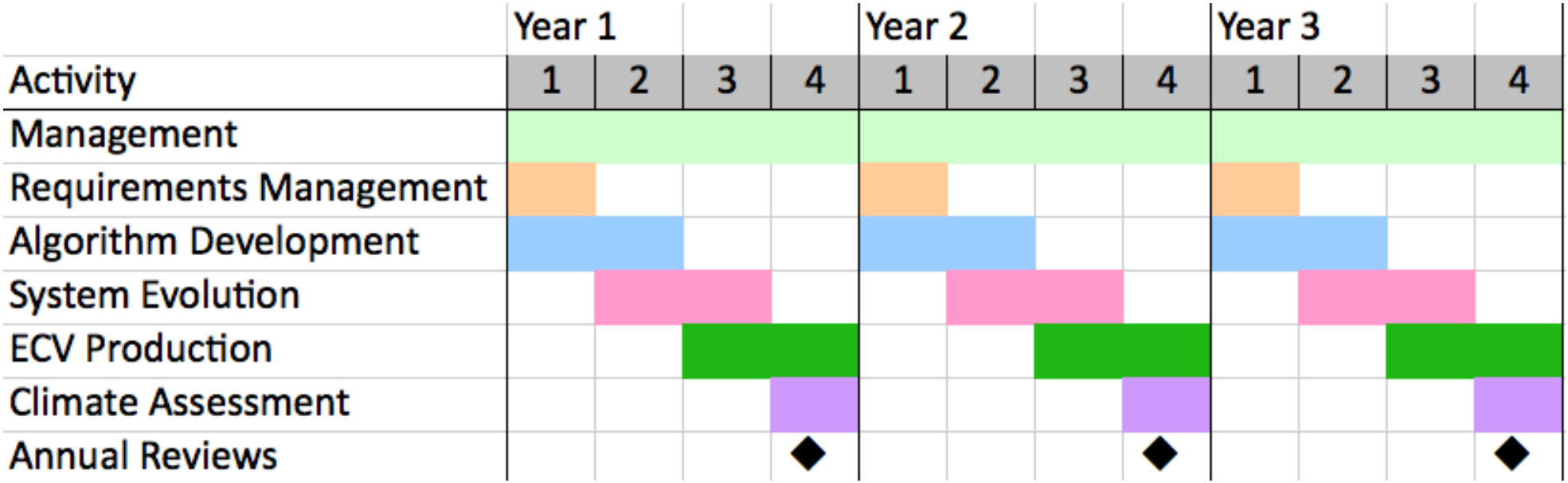
Overview

- In Phase 1 a large amount of documentation, datasets and journal papers were produced, directly serving IPCC AR5
- Algorithms were improved and automatized, the systematic processing further developed and in-depth accuracy assess-ment and product validation was performed for all products
- Based on this heritage, Phase 2 will further exploit this way
- For data products the focus will be on improving quality and temporal consistency (area), extension of global coverage (ELC/VEL) and change assessment / trend analysis (all)
- Algorithms will be further improved/automated and adapted to new sensors (illustrated guidelines for area consistency)
- Interaction with CRG and data users will be improved and web-based tools for processing on demand implemented
- Strengthening GLIMS within GTN-G and RGI integration

Overall workplan



Cyclic schedule of Tasks & responsibilities



Task	Work-package	Full name	Update of Deliverables	Start	End	Effort (%)	Lead
1	100	Requirements Management	URD, PSD, DARD	1	26	12	SEEL
2	200	Algorithm Development	ATBD, CECR	3	29	22	GUIO
3	300	System Evolution	SSD, SVR	5	31	21	Gamma
4	400	Data Production	CDRP, PUG	7	34	26	GIUZ
5	500	Product Assessment	CAR, PVIR	11	36	13	Enveo
6	600	Project Management	Managem. Plan	1	36	6	GIUZ