# **Return of experience**



Pre-commercial development & demonstration project sponsoring: Copernicus supported Canopy Height Service backend hosting



Request ID:	Proje	Project type:		
3c08S6		Pre-commercial development & demonstration		
Project Title:				
Copernicus supported Canopy Heig	ght Service	backend hosting		
Full Name of Project Coordinator:	Proje	Project Coordinator Work Category:		
Ioannis Manakos	Aca	Academic Researcher		
Project Coordinator Email Address	Proje	ect Organisation:		
imanakos@iti.gr		Centre for Research and Technology Hellas		
Project Organisation Country:	Proje	ect Organisation We	b Page:	
Greece	http	https://www.certh.gr/		
Requested Service:				
Terradue - ELLIP				
		1 * - 1		
	ored Reso Units	urce List Duration	Cos	
Offering ID EO Data Hosting	5,120	7 month(s)	€4,480.00	
	-,			

**Voucher Amount Requested:** 

€4,480.00



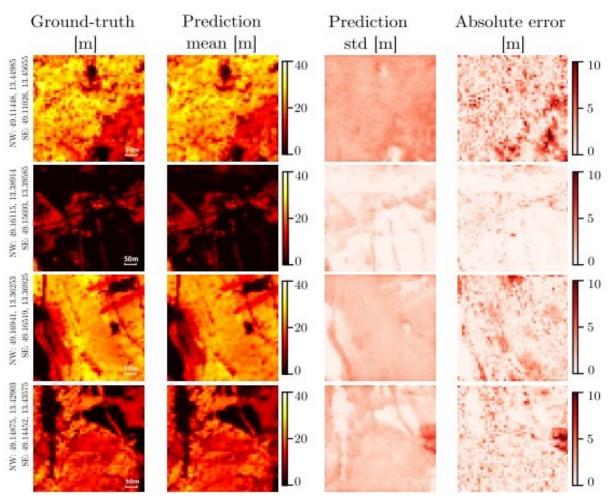
I will co-fund the cost:

No

## Scope of the NoR Sponsorship



- The Canopy Height service is a fully operational Algorithm\* deployed as a Service.
- The initial business development effort was defined for two forested areas in Europe (Bavarian Forest and Switzerland), for which EO data hosting is key as a data source.
- This effort prepared the transition to making the service available to a larger community, with pricing determined by various factors, such as resource consumption, licensing costs, and the service provider's revenue expectations.



\* https://ieeexplore.ieee.org/document/9768161

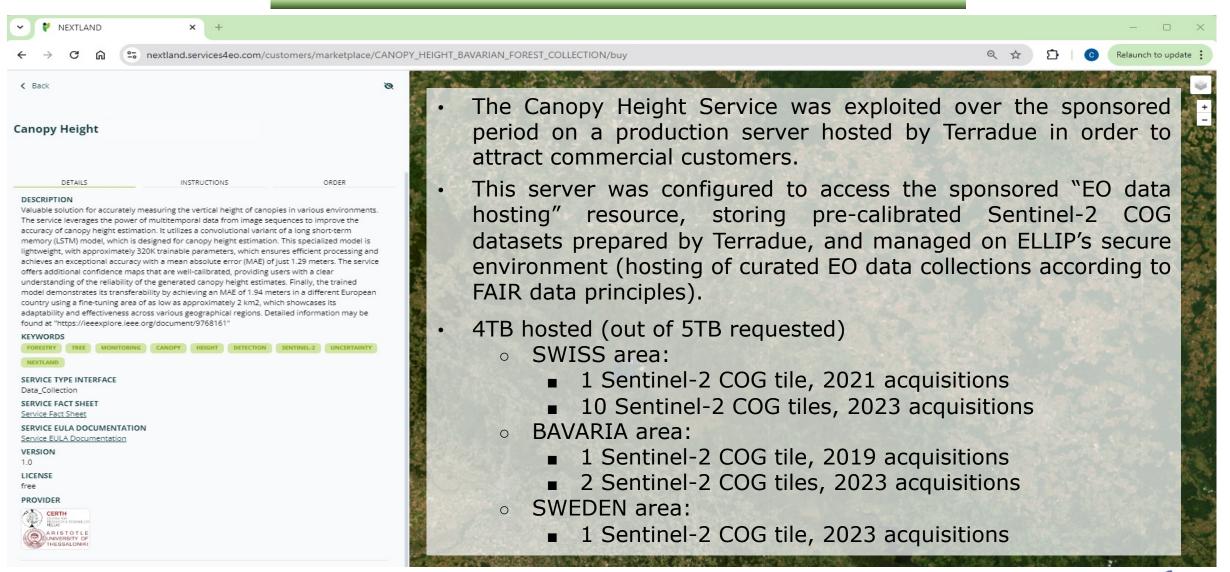
L. Alagialoglou, I. Manakos, M. Heurich, J. Cervenka, A. Delopoulos, A learnable model with calibrated uncertainty quantification for estimating canopy height from spaceborne sequential imagery, 2022, IEEE Transactions on Geoscience and Remote Sensing, DOI: 10.1109/TGRS.2022.3171407



#### ID 3c08S6

### **Exploitation of the sponsored resources**







#### ID 3c08S6

### Conclusion of the online sales effort (I)



Process request example for demo purposes:



Based on an iterative learning process involving the NextLand Marketplace operator, the Canopy Height service provider and the Ellip service provider, the following actions were performed:

- A. Verification and validation of all the sales process steps to ensure a smooth customer experience with the service offer on the NextLand marketplace.
- B. Improvements to the Marketplace interface to present the Service offer according to the sales lead expectations.

Through this sponsorship, we learned (CERTH, AUTH, Terradue) much in terms of sales effort.



## ID 3c08S6 Conclusion of the online sales effort (II)



CHE 2019

Sales efforts were undertaken and possible customers were sought (no commercial agreements signed yet):

- Provision of a demo product closest to newly identified customer needs: extension of service offering, adding a third forested area in Sweden.
- Progress was made to address the interest expressed by a sales lead, a company specialised in forest management.

