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Participants market consultation INSAR

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Centrale
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Onderwerp Update market consultation INSAR

Ons kenmerk

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Uw kenmerk

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Bijlage(n)

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Dear Sir, Madam,

Rijkswaterstaat wants to thank all the organisations which took the time to either concisely or elaborately give an answer to the questions in our market consultation "InSAR based deformation map of the Netherlands". We would like to share our general impression of the answers and give you an update. Our apologies for the delay in our communication.

Overall it is clear that the advantages and opportunities of making a InSAR based deformation map publically available are widespread and outweigh the disadvantages and risks that might arise. Almost all organisations refer to the complexity of the data and the risk of mis-interpretation and mis-use of the data.

We are aware of this and appreciate the ideas that were shared by some organisations to reduce this risk. Some organisations point to a potential harm of the local service providers in the initial stage, but also point to the opportunities in detailed analysis based on the nationwide product through very high resolution data such as acquired by TerraSAR-X and Cosmo-SkyMED.

In terms of feasibility, all organisations agree that technically a nationwide InSAR deformation product is possible. Wide Area Processing (WAP) is executed by all experienced InSAR organisations, partly or completely automated. Most organisations presented a similar strategy, although with slightly different flavours in terms of usage of input data and combination of InSAR methodologies.

All organisations agree on the update frequency. However, the update strategy on how is dealt with e.g. appearing and dis-appearing scatterers, improvement of estimates due to increased length of time series (and from a certain moment on possible deterioration of the estimates), is not discussed by many.

It is clear, and not surprising, that the largest cost drivers are the hardware for computing power and storage, initial fine-tuning of the processing and the associated manual steps in mainly the QC by InSAR experts and validation. The latter increases with increased accuracy and precision requirements.

It is possible that in a later stage we may invite some of the organisations for a conference call or visit to elaborate on the provided answers.

At the moment of writing however we are still processing the information and hence we will not invite organisations for an interview at short notice. However, we would appreciate if organisations are willing to either elaborate on certain topics or potentially even comment on the draft tender documents at a later stage.

We would like to thank you again and invite you to register for the tender that most likely will be published within the next 12 months.

Best regards

The Tenderteam INSAR

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Ons kenmerk
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