



EPN2020-RI

EUROPLANET2020 Research Infrastructure

H2020-INFRAIA-2014-2015

Grant agreement no: 654208

Deliverable D9.2 Publications on sample characterisation

Due date of deliverable: 28/02/2017

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Start date of project: 01 September 2015

Duration: 48 months

Responsible WP Leader: STICHTING VU-VUMC, Gareth Davies

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Dissemination level		
PU	Public	x
PP	Restricted to other programme participants (including the Commission Service)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (excluding the Commission Services)	

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Project Title	EPN2020 - RI
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Title of Deliverable	Publications on sample characterisation
Contributing Work package (s)	WP9
Dissemination level	Public
Author (s)	Gareth Davies, Sara Russell

Abstract: One manuscript has been published that stems directly from predominant Europlanet2020-RI funding and this has resulted in significant outreach. A second publication is in review at Nature Communications, Koornneef et al. Dr Janne Koornneef is the researchers employed part time in JRA3 to undertake part of the development work looking into the validation of 10^{13} Ohm resistors. She has co-authored four additional papers in geological journals that act as proof of concept on geological materials of increasing uniqueness. Following the validation studies, applications to unique extra-terrestrial material (meteorite) are now being planned. The first visit under TA3 to utilise the new technology has been approved (ahead of schedule) and will be undertaken in the summer-autumn of 2017.

Timmerman, S., Koornneef, J.M., Chinn, I.L. & Davies, G.R. (2017). Dated diamond growth zones reveal variable recycling of crustal carbon through time. Earth and Planetary Science Letters, 463, 178-188.

<http://dx.doi.org/10.1016/j.epsl.2017.02.001>

(Europlanet's press release23-2-2017 is linked to this publication). Directly funded by Europlanet2020-RI.

Koornneef, J.M., Gress, M.U., Chinn, I.L., Jelsma, H.A., Harris, J.W., & Davies, G.R. Archaean and Proterozoic diamond growth from contrasting styles of large-scale magmatism. In review Nature Communications.

Press coverage: Lead article of the Geochemical Society weekly newsletter; Geochemical News 28th Feb; <http://multibriefs.com/briefs/gs/>