Supplementary Material

Methane-flow system within the Nyegga pockmark field, offshore mid-Norway

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**Supplementary Figure**

**Supplementary Figure S1.** Near-bottom Victor ROV images (dive 272, Vicking cruise, 2006) of small mounds (up to 1 m high) outcropping from the seafloor at G11 pockmark located ~15 km SE from CNE03 site (Fig. 1B). The uppermost part of the domes are composed of soft muddy sediments and they are covered by dense pogonophorans (Vanreusel et al., 2009).



# Supplementary Tables

**Supplementary Table S1** Dissolved methane concentrations measured from near-bottom waters sampled during Victor ROV dives (Vicking cruise, 2006) for the majority of the investigated pockmark sites (within the studied CNE Nyegga area). See locations of the sampling in Fig. 2A. The 271-PEP19 measurement at CNE17 area corresponds to the background methane concentration (26 nL/L).



**Supplementary Table S2** Sample list and description of carbonates collected during the Victor ROV dives 271 and 275 (Vicking cruise, 2006) at CNE02, CNE03, CNE05.6 (site E), CNE14 and CNE15. CC and PBT stand for carbonate crusts sampled with the arm of the ROV while CL and Aspi stand for carbonate concretions sampled with a blade core and an aspirator, respectively. See locations of the CNE sites in Fig. 2A.



