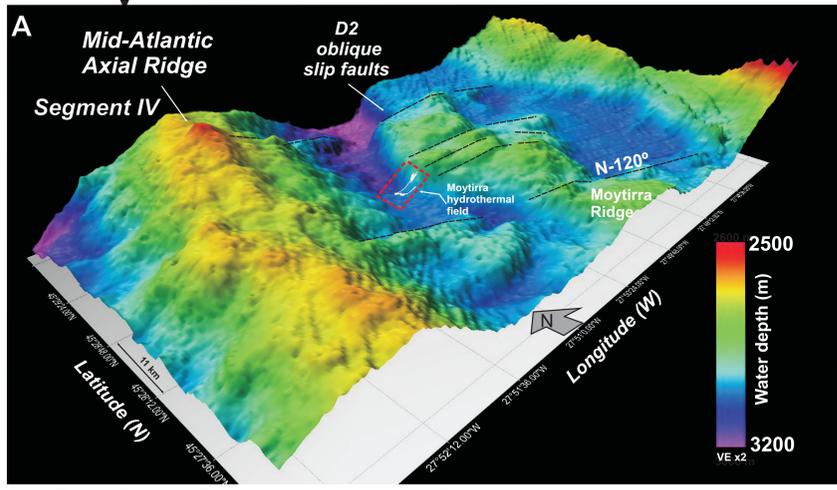
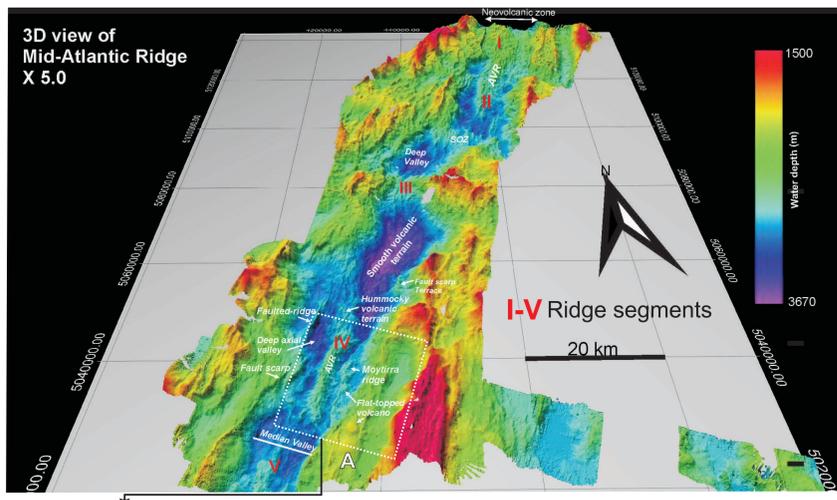
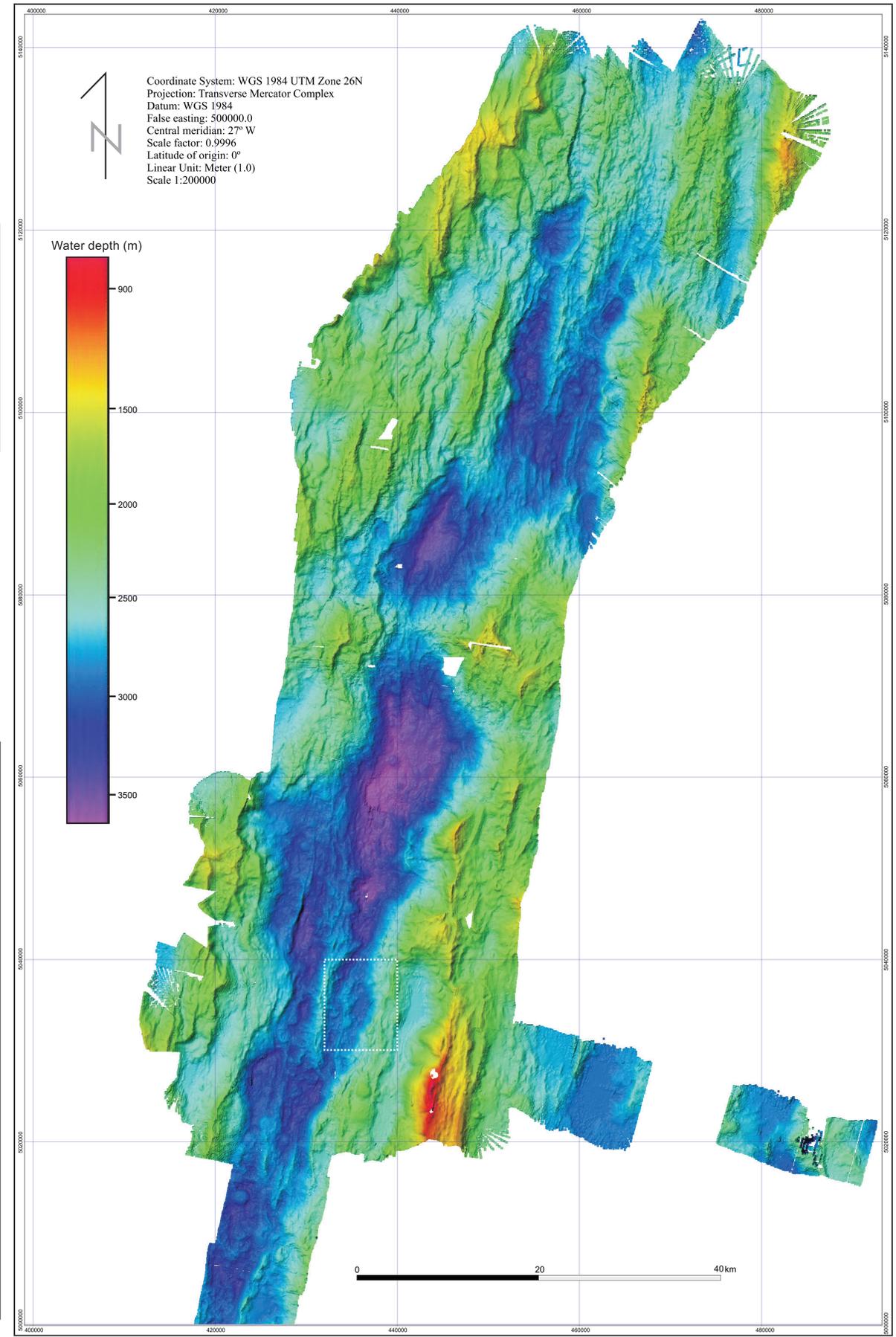
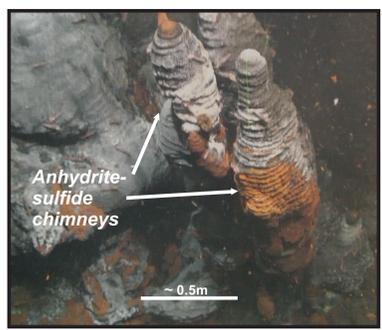
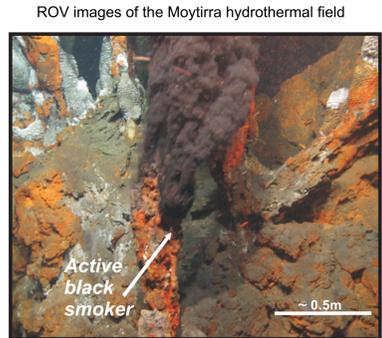
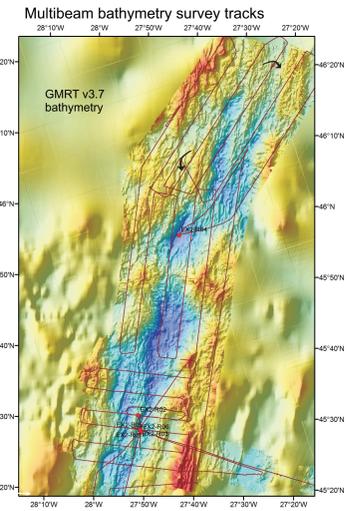
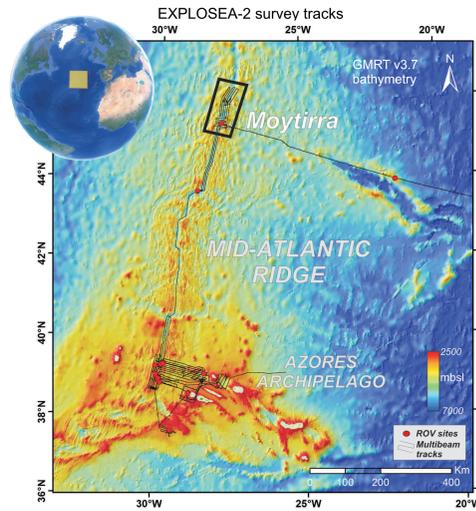


# HIGH-RESOLUTION BATHYMETRY OF THE NORTHERN MID-ATLANTIC RIDGE AT 45-46° N: THE MOYTIRRA HYDROTHERMAL FIELD

Luis Somoza<sup>1</sup>, Teresa Medialdea<sup>1</sup>, Francisco J. González<sup>1</sup>, Sara Machancoses<sup>1</sup>, Jose A. Candón<sup>1</sup>, Constantino Clif<sup>1</sup>, Antonio Calado<sup>1</sup>, Andrea Afonso<sup>2</sup>, Luisa Pinto Ribeiro<sup>3</sup>, Iker Blasco<sup>4</sup>, Mónica Albuquerque<sup>5</sup>, Maria Asensio-Ramos<sup>6</sup>, Renato Bettencourt<sup>7</sup>, Cristina De Ignacio<sup>8</sup>, Enrique López-Pamé<sup>9</sup>, Bruno Ramos<sup>10</sup>, Blanca Rincón-Tomás<sup>11</sup>, Esther Santofimia<sup>12</sup>, Miguel Souto<sup>13</sup>, Inés Tojales<sup>14</sup>, Cláudia Viegas<sup>15</sup> and Pedro Madureira<sup>16</sup>

<sup>1</sup>Marine Geology and Mapping Division, Geological Survey of Spain (IGME), Madrid, Spain.  
<sup>2</sup>Marine Hydrographic Institute, Spanish Navy (IHM), Cádiz, Spain.  
<sup>3</sup>Portuguese Task Group for the Extension of the Continental Shelf (EMEPC), Portugal.  
<sup>4</sup>Instituto Volcanológico de Canarias (INVOLCAN), Canary Islands, Spain.  
<sup>5</sup>IMAR- Instituto do Mar and Instituto de Investigação em Ciências do Mar – Okeanos da Universidade dos Açores, Horta, Portugal.  
<sup>6</sup>Complutense University of Madrid (UCM), Madrid, Spain.  
<sup>7</sup>Georg-August University Göttingen, Göttingen, Germany.  
<sup>8</sup>Department of Geosciences and Institute of Earth Sciences, Evora University, Portugal.  
<sup>9</sup>GeoBioTec, Aveiro University, Portugal.



3D view of the Mid-Atlantic Axial Ridge in the region of the Moytirra field. View from the SW. Location of the hydrothermal field (red square) and ROV tracks (white dots) is also shown. Segmentation of the Moytirra Ridge by N120° trending oblique slip faults is identified.