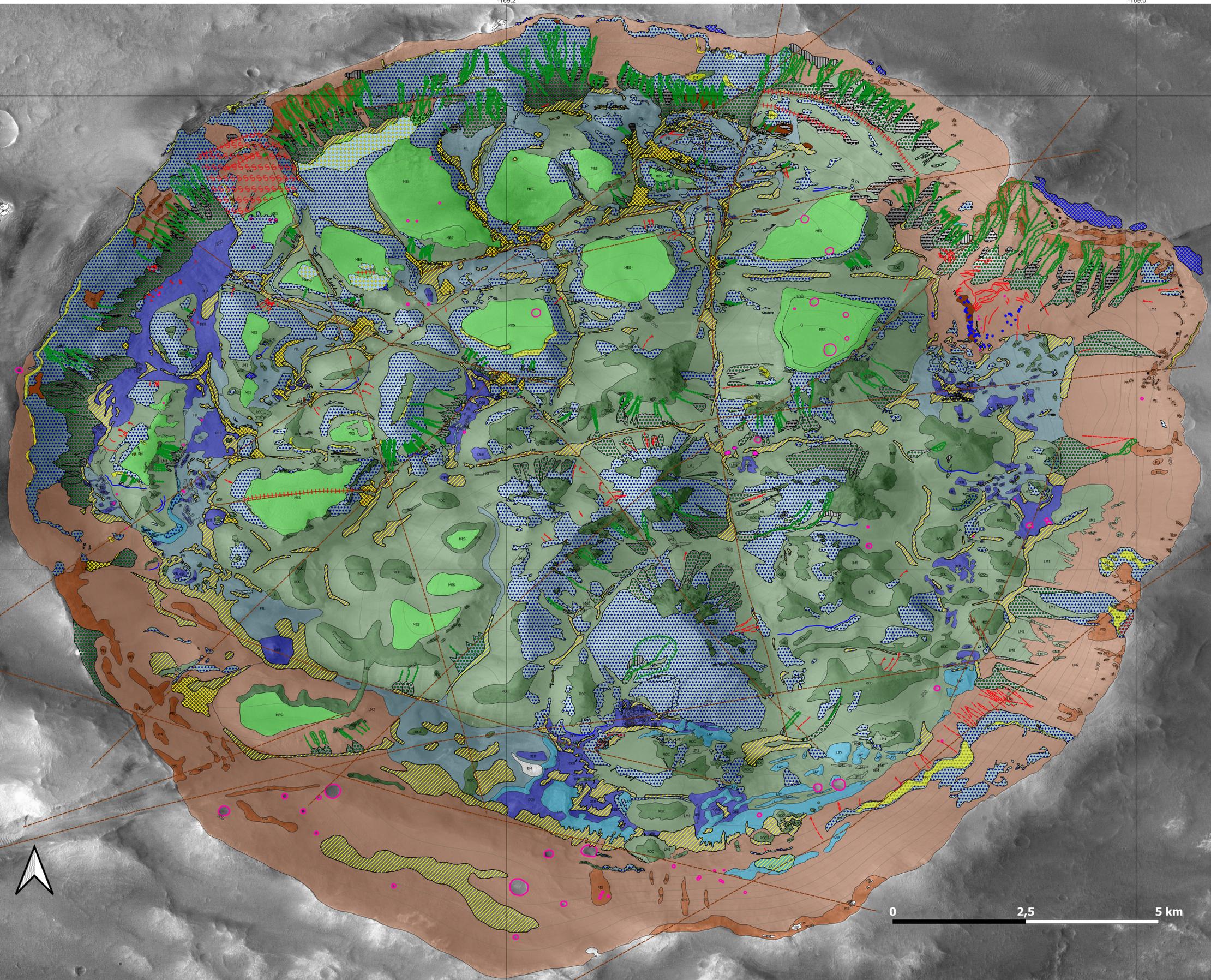


# Morphological analysis of Hala crater, a floor fractured crater located within Gorgonum Chaos Basin, Terra Sirenum, Mars

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1:25.000



## Legend

### Floor units

- Bright material - light grey tone, smooth surface, polygon structures
- Mesa - Light grey tone, smooth texture
- Platy material - Bright to dark grey tone, organized in polygonal blocks
- Loose material 1 - Light grey tone, smooth texture
- Rocky unit - Dark grey tone, rough texture
- Filling unit - Light grey tone, smooth texture
- Layered unit - Dark grey tone, layered unit
- Debris bedrock - Light and dark grey tone, rough texture

### Wall units

- Loose material 2 - Light and dark grey tone, smooth texture
- Pre-impact surface - Dark grey tone, rough texture

### Morphology

- Impact landforms**
  - Crater rim
- Periglacial landforms**
  - Pingo-like feature
  - Protalus rampart
  - Block field
  - Polygonal terrain
- Gravity induced landforms**
  - Rockfall deposit
  - Fracture
  - Transit furrow of rolling block
  - Sackung trench
  - Composit talus
  - Deep-seated gravitational slope deformation (DGSD)
- Erosional and depositional landforms**
  - Channel
  - Alcove
  - Debris flow lobe
- Structural landforms**
  - Lination
- Eolian landforms and deposits**
  - Ripple
  - TARs field
  - Star dune field
- Polygenetic landforms**
  - RSL
  - Weathered bedrock
  - Longitudinal incision

Color-coded Elevations on Mars, MOLA Altimeter, MGS Mission

