Métodos Potenciais: gravimetria e magnetometria

Generalidades

Yára Marangoni - 2022

Fases de um programa de exploração em métodos potenciais

- fase de planejamento
- fase de aquisição
- fase de processamento de dados
- fase de interpretação
- fase de relatório
- fase de arquivamento

Fases de um programa de exploração em métodos potenciais

- fase de planejamento

Planning is subdivided into two segments: first, the selection of the appropriate method(s) and, second, the design of the survey and the subsequent data processing and interpretation. To be successful, both require a clear

(1) PLANNING PHASE

- Statement of problem (study objectives)
- Define range of subsurface models
- Geological information
- Geophysical data
- Physical property compilation
- Calculate range of geophysical response (models)
- Estimate range of
  - **Regional** anomalies,
  - **Residual** anomalies,
  - **Noise** (observation, reduction, geological)
- Selection of method(s)
- Design of data acquisition, reduction, and interpretation procedures

Pesquisa de banco de dados, mapas, artigos, etc.

The planning phase is perhaps the most important step in the geophysical approach because it is in this stage that fundamental decisions are made regarding the nature and procedures of the program. Appropriate planning requires collecting and using all available geological and geophysical data and interpretations, and establishing strong communication links among the interested parties regardless of their particular expertise. Plans should only be finalized

Fases de um programa de exploração em métodos potenciais

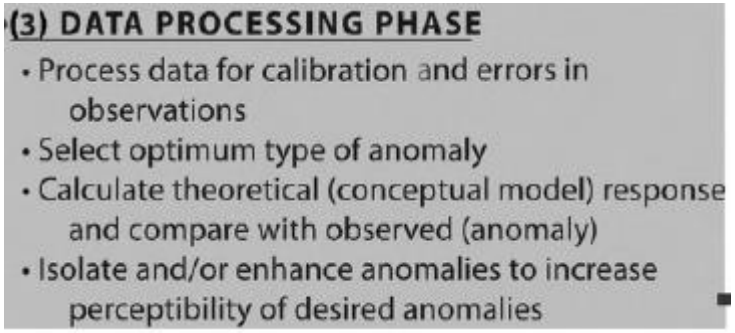
- fase de planejamento
- fase de aquisição

(2) DATA ACQUISITION PHASE

- Acquire data from existing repositories or
- Observe data as needed
- Obtain required auxiliary information
  [e.g. elevation, geographic position]

Fases de um programa de exploração em métodos potenciais

- fase de planejamento
- fase de aquisição
- fase de processamento de dados



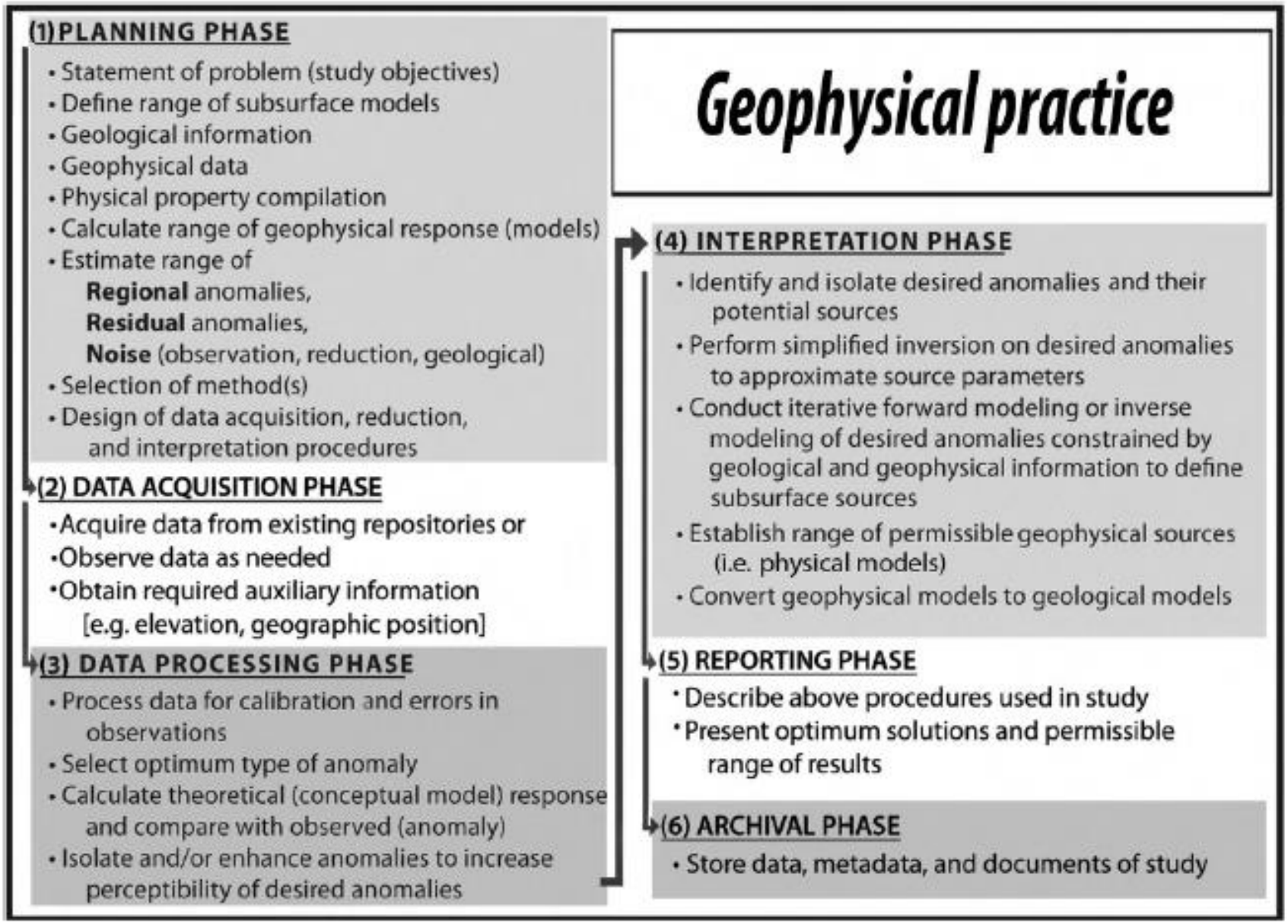


FIGURE 1.4 The geophysical practice for implementing the gravity and magnetic methods involves a sequence of six phases.