Roșia Montană Project

Form for the submittal of the answers to the issues raised by the public

resulting from the public consultation on the Project's Environmental Impact Assessment study report

Volume 57

Bucharest, 2007
### Roşia Montană Project Timeline

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Geological Exploration</td>
<td>Environmental Impact Assessment Study Report submitted to the authorities</td>
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<tr>
<td>Studies and monitoring for the Project design and assessment</td>
<td>Public Consultations on the EIA Report, 16 public hearings</td>
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<tr>
<td>Initiation of urban planning and land access</td>
<td>Analysis of the Project by the Government</td>
</tr>
</tbody>
</table>

#### Environment - Social component

- **Launch of Cultural Heritage Research Program**
- **Alba County branch of The Geological Society of Romania established**
- **Environmental monitoring network established**

#### The mining component

- **Capacity Building Partnerships for**
- **Construction of urban center and houses in Roşia Montană and Alba Iulia**
- **Restorations Works in the historical center of Roşia Montană**
- **Environment and social Monitoring Systems Implementation**
**Roșia Montană Project Timeline (Estimated)**

**Top:** Piatra Albă Village (RM)
**Bottom:** Ore Processing Plant Control Center (Spain)

**Top:** Ore Processing Plant (Spain)
**Bottom:** Gold and silver: the project’s economic engine

**Top:** Operational Open Pit (New Zealand)
**Bottom:** Progressive rehabilitation works (Spain)

**Top:** Operational Open Pit (Spain)
**Bottom:** 150 tons Haul Truck used in transporting the ore

**Top:** Tree planting action at a similar mine (Spain)
**Bottom:** Ore Processing Plant (United States)

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**2008**

- Roșia Montană Project Construction
- Piatra Albă inauguration
- Opening of Cetate and Cârnic Pits
- Inauguration of ore processing Plant
- First pour of silver and gold

**2013**

- Opening of the Orlea Pit
- Opening of Jig Pit
- Opening of Cârnic waste dump
- Opening of Cetate Waste Dump

**2018**

- Closure of Cârnic Pit
- Closure of Jig Pit
- Closure of the Orlea Pit
- Closure of Cetate Waste Dump

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**The mining component**

**Environment - Social component**

- Sustainable Development
  - Initiation of ecological rehabilitation
  - Rehabilitation of Cârnic Waste Dump
  - Rehabilitation of Cârnic Pit

- Roșia Montană (Piatra Albă)
  - Rehabilitation of Cetate Waste Dump

- Center of Roșia Montană
  - Rehabilitation of Cetate Pit

- Environmental and Sustainable Development Reporting

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**Progressive Rehabilitation**
Roșia Montană
Project Timeline
(Estimated)

Progressive rehabilitation (Spain):
Top: Waste dump before
Bottom: Revegetated waste dump

Top: New land use for the waste dumps (Spain)
Bottom: Youth Programs (RM)

Top: An Ore Processing Plant (Germany)
Bottom: Site after the dismantling of the Ore Processing Plant (Germany)

Top: Flooded Pit (England)
Bottom: Historical center protected throughout the life of the mine (RM)

Top: New forests will reach maturity (335 Hectares)
Bottom: Local entrepreneurs’ trainings (RM)

Top: Closed mine turned into a recreational area (Germany)
Bottom: New land use for the TMF (Germany)

2023
Closure of Cetate Pit
Closure of Cârnic Waste Dump
Closure of the Tailings Management Facility
Decommissioning of the Ore Processing Plant

2028
Water treatment using natural reed beds

2033
Mine land returned for public use

The mining component
Environment - Social component

Start of Rehabilitation of Corna Tailings Management Facility (TMF)
Start of Rehabilitation of Corna Tailings Management Facility Dam (TMF dam)
Flooding of the Cetate Pit
Rehabilitation of Orlea and Jig Pits begins

Rehabilitation of Cetate and Cârnic Waste Dumps is finished
Rehabilitation of Ceteate and Jig Pits is finished

Rehabilitation of Cârnic and Orlea Pits is finished
Rehabilitation of Processing Plant is Finished

The TMF Surface is fully rehabilitated and made available for further use
<table>
<thead>
<tr>
<th>DOMAIN</th>
<th>Annex no.</th>
<th>Volume no.</th>
<th>Reference Document</th>
<th>No. of pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archaeology</td>
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<td>Information on the Cultural Heritage of Roşia Montană and Related Management Aspects</td>
<td>32</td>
</tr>
<tr>
<td>Archaeology</td>
<td>1,2</td>
<td><strong>48</strong></td>
<td>Report on the Management Plan prepared by S.C. OPUS - Atelier de arhitectură S.R.L.</td>
<td>17</td>
</tr>
<tr>
<td>Archaeology</td>
<td>1,3</td>
<td><strong>49</strong></td>
<td>Roşia Montană - Cârnic Massif Mine Museum Stabilisation Proposals and Cost Estimates</td>
<td>154</td>
</tr>
<tr>
<td>Archaeology</td>
<td>1,4</td>
<td><strong>50</strong></td>
<td>Summary of Cultural Heritage Management Plans Included in the Report on the Environmental Impact Assessment for the Roşia Montană Project</td>
<td>65</td>
</tr>
<tr>
<td>Archaeology</td>
<td>1,5</td>
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<td>O’Hara Report</td>
<td>19</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>2,1</td>
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</tr>
<tr>
<td>Biodiversity</td>
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<td>8</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>2,4</td>
<td><strong>51</strong></td>
<td>The inventory of Flora species from RMP area</td>
<td>28</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>2,5</td>
<td><strong>51</strong></td>
<td>List of potential Lepidoptera species from Roşia Montană area</td>
<td>15</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>2,6</td>
<td><strong>51</strong></td>
<td>Answer to Mr. Joszef SZABO’s study</td>
<td>5</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>2,8</td>
<td><strong>51</strong></td>
<td>Sergiu Mihuţ Curriculum Vitae</td>
<td>3</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>2,9</td>
<td><strong>51</strong></td>
<td>Additional Information on the Potential Impact on the Forest Fund Generated by the Development of the Roşia Montană Mining Project and Proposed Measures for Impact Prevention/Minimisation/Elimination</td>
<td>19</td>
</tr>
<tr>
<td>Permitting</td>
<td>3,1</td>
<td><strong>52</strong></td>
<td>The comparison from 2002 and 2006 urbanism (PUZ) document</td>
<td>2</td>
</tr>
<tr>
<td>Permitting</td>
<td>3,2</td>
<td><strong>52</strong></td>
<td>The comparison between Roşia Montană and Baia Mare</td>
<td>3</td>
</tr>
<tr>
<td>Permitting</td>
<td>3,3</td>
<td><strong>52</strong></td>
<td>Mines of Australia using/used cyanide in the recent past</td>
<td>1</td>
</tr>
<tr>
<td>Closure</td>
<td>8</td>
<td><strong>52</strong></td>
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<tr>
<td>Sustainable</td>
<td>4</td>
<td><strong>53</strong></td>
<td>Roşia Montană Sustainable Development and the Roşia Montană Project</td>
<td>132</td>
</tr>
<tr>
<td>Development</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risk</td>
<td>5,2</td>
<td><strong>55</strong></td>
<td>Emergency Preparedness and Spill Contingency Plan</td>
<td>83</td>
</tr>
<tr>
<td>Noise &amp; Vibration</td>
<td>7</td>
<td><strong>56</strong></td>
<td>Geo-Mechanic study for the Determination of the Blasting Effects on the Protected Zone Structures</td>
<td>64</td>
</tr>
<tr>
<td>Archaeology</td>
<td>1,6</td>
<td><strong>57</strong></td>
<td>General Urbanism Plan - The Roşia Montană Comuna</td>
<td>1</td>
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<tr>
<td>Biodiversity</td>
<td>2,2</td>
<td><strong>57</strong></td>
<td>Land cover and habitats map of RMP area</td>
<td>5</td>
</tr>
<tr>
<td>Biodiversity</td>
<td>2,7</td>
<td><strong>57</strong></td>
<td>Forestry curtains proposal</td>
<td>2</td>
</tr>
<tr>
<td>Health</td>
<td>9,1</td>
<td><strong>57</strong></td>
<td>Maps Acute Diseases</td>
<td>17</td>
</tr>
<tr>
<td>Health</td>
<td>9,2</td>
<td><strong>57</strong></td>
<td>Maps Chronic Diseases</td>
<td>38</td>
</tr>
<tr>
<td>RRAP</td>
<td>10,1</td>
<td><strong>57</strong></td>
<td>Terenuri achizitionate, concesionate de RMGC/Owned and Concesioned Land by RMGC</td>
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<td>Categorii de proprietari in Roşia Montană/Ownership Type of Roşia Montană</td>
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### Explanation of the Legend to Map 2.2

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<th>Cod habitat Natura 2000</th>
<th>Habitat name Natura 2000</th>
<th>Cod habitat România</th>
<th>Habitat Name România</th>
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<tr>
<td>40A0</td>
<td>Subcontinental peri-Pannonic scrub</td>
<td>R3121</td>
<td>Ponto_Pannonic Scrub (Prunus spinosa) and Linnean herbarium (Evonymus europaeus)</td>
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<td></td>
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<td>R3122</td>
<td>Ponto_Pannonic Scrub (Prunus spinosa) and Hawthorn (Crataegus monogyna)</td>
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<td>6510</td>
<td>Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)</td>
<td>R3802</td>
<td>Daco-Getic Meadows of Arrhenatherum elatius</td>
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<tr>
<td>6520</td>
<td>Mountain hay meadows</td>
<td>R3801</td>
<td>South Eastern Meadows of Trisetum flavescens and Alchemilla vulgaris</td>
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<td>9110</td>
<td>Luzulo-Fagetum beech forest</td>
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<tr>
<td>9130</td>
<td>Asperulo-Fagetum beech forest</td>
<td>R4118</td>
<td>Beech (Fagus sylvatica) and Hornbeam (Carpinus betulus) forests with Dentaria bulbifera</td>
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<td></td>
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<td>R8701</td>
<td>Anthropic communities allong communication pathways with Cephalaria transsilvanica, Leonurus marrubiastrum, Nepeta cataria, Marrubium vulgare</td>
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<td>R8703</td>
<td>Anthropic communities with Agropyron repens, Arctium lappa, artemisia annua și Ballota nigra</td>
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<td>Anthropic communities with Polygonum aviculare, Lolium perenne, Sclerochlooa dura and Plantago major</td>
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</table>
## Total area of the habitats existing in the RMP area

<table>
<thead>
<tr>
<th>Habitats</th>
<th>Sum_ha</th>
<th>Forestry habitats</th>
<th>Sum_ha</th>
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<tbody>
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<td>corridor</td>
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<td>6510</td>
<td>54.71</td>
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<td>Total</td>
<td>1375.45</td>
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</table>

Overall total 2172.243
Legenda

- Yellow: Buffer area
- Green: Forestry proposal
- Green: Existing forests
- Red: Mining facilities

Scale: 1 km
Annex 9.1 - Maps Acute Diseases

Dermatitis and eczema

Infections of the skin and subcutaneous tissue
Influenza and pneumonia

Respiratory diseases principally affecting the interstitium
Annex 9.2 - Maps Chronic Diseases
Chronic rheumatic heart diseases

- Localities
- Limited area exploratory search
- Limited area under assessment
- Open laboratory
- Closed laboratory
- Non-sampled
- Other
- Log

Scale 1 : 65 000

Hypertensive diseases

- Localities
- Limited area exploratory search
- Limited area under assessment
- Open laboratory
- Closed laboratory
- Non-sampled
- Other
- Log

Scale 1 : 65 000
Diabetes mellitus

- Low Risk
- Low Risk explorare
- Low Risk revista
- Medium Risk
- Medium Risk explorare
- Medium Risk revista
- High Risk
- High Risk explorare
- High Risk revista

Score: 1 / 5 (68)

1000 0 1000 2000 3000 Meters

Scara: 1 : 65 000

Boli Endocrine Cronice

Other nutritional deficiencies

- Low Risk
- Low Risk explorare
- Low Risk revista
- Medium Risk
- Medium Risk explorare
- Medium Risk revista
- High Risk
- High Risk explorare
- High Risk revista

Score: 1 / 5 (68)

1000 0 1000 2000 3000 Meters

Scara: 1 : 65 000
Inflammatory disorders of female genital tract

Disorders of breast

Boli Genitale Cronice

Drumuri

Drum National

Drum Judetean

Drum Comunal

Limita teritoriu comunal

Limita licenta explorare

# Localitati

Disorders of breast

Boli Genitale Cronice

Drumuri

Drum National

Drum Judetean

Drum Comunal

Limita teritoriu comunal

Limita licenta explorare

# Localitati
Noninflammatory disorders of female genital tract

Inflammatory disorders of female genital tract
Polynephropathies
Digestive organs
- Location
- Limita teritoriu comunal
- Drum Judetean
- Drum National
- Drum Comunal
- Drumuri

Endocrine glands
- Location
- Limita teritoriu comunal
- Drum Judetean
- Drum National
- Drum Comunal
- Drumuri

Scara 1: 65 000

Boli Cronice - Tumori
- Digestive organs
- Endocrine glands

1000 0 1000 2000 3000 Meters

32