Special Panel on the "40th Anniversary of the Landsat Programme and the Worldwide Evolution of Remote Sensing from Space"

Committee on the Peaceful Uses of Outer Space: 2012
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Thailand’s Ground Receiving Station

Latkrabang (1982-2012)

www.gistda.or.th
Landsat Data Statistics

**Acquisitions**

<table>
<thead>
<tr>
<th></th>
<th>Landsat-2/3</th>
<th>Landsat-4</th>
<th>Landsat-5</th>
<th>Landsat-7</th>
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</thead>
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**Archives**

<table>
<thead>
<tr>
<th></th>
<th>Landsat-2…5 (MSS)</th>
<th>Landsat-5 (TM)</th>
<th>Landsat-7 (ETM+)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>52,450 scenes</td>
<td>205,764 scenes</td>
<td>25,840 scenes</td>
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**Data distributions**

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<tbody>
<tr>
<td>Landsat-5 (scenes)</td>
<td>633</td>
<td>65</td>
<td>96</td>
<td>305</td>
<td>671</td>
<td>1,318</td>
<td>1,400</td>
<td>858</td>
<td>1,915</td>
<td>2,804</td>
<td>2,695</td>
</tr>
<tr>
<td>Landsat-7 (scenes)</td>
<td>48</td>
<td>169</td>
<td>300</td>
<td>153</td>
<td>31</td>
<td>59</td>
<td>28</td>
<td>27</td>
<td>6</td>
<td>88</td>
<td>9</td>
</tr>
<tr>
<td>Total (scenes)</td>
<td>681</td>
<td>234</td>
<td>396</td>
<td>458</td>
<td>702</td>
<td>1,377</td>
<td>1,428</td>
<td>885</td>
<td>1,921</td>
<td>2,892</td>
<td>2,704</td>
</tr>
</tbody>
</table>
Data Distribution Statistics
Landsat Data Application (CY 2011)

- Geo Informatics System: 32.39%
- Forestry: 27.24%
- Environment: 2.99%
- Disaster: 10.85%
- Coastal Resources: 1.51%
- Water Resources: 0.56%
- Energy: 0.08%
- Management: 1.60%
- Agricultural: 8.85%
- Education: 7.10%
- Land Use: 5.03%
- Training: 0.88%
- Other: 0.92%
Applications of Landsat Imagery

In Thailand, Landsat data has become a valuable resource for decision makers in various fields. Landsat has also played an increasing role in diverse applications:

- **Disaster Monitoring**
  Landsat can provide suitable systematic, repeat coverage for forest monitoring, forest fire, change detection and water management in case of flood and drought.

- **Economic crop monitoring**
  Landsat data is useful in the field of agricultural includes product estimation, crop evaluation and yield. Because Landsat can provide fast and frequent fundamental inventories which requires for accurate estimation.

- **Land use & Mapping**
  As human populations increases and dominate the Earth’s surface, the understanding of changes and land use becomes increasingly important for both decision making and urban planning.