



Satellite Broadband for European Regions
CIP-ICT PSP Call 6

Panel 1: Best practices

e-trikala

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Trikala region – SatBroadband deployment

<i>Prefecture of Trikala</i>	
<i>Population</i>	<i>150.938</i>
<i>Area in km²</i>	<i>3.389</i>
<i>Mountain</i>	<i>66%</i>
<i>Semi mountain</i>	<i>14%</i>
<i>Flat area</i>	<i>20%</i>

Trikala Satellite Broadband Infrastructure

<i>Place</i>	<i>Altitude</i>	<i>Geoinformation</i>
<i>Gardiki</i>	<i>1100 meters</i>	<i>Summer resort</i>
<i>Elati</i>	<i>950 meters</i>	<i>Mountainous village</i>
<i>Pertouli</i>	<i>1150 meters</i>	<i>Snow sport resort</i>
<i>Seli</i>	<i>1500 meters</i>	<i>Oldest ski resort</i>
<i>Xiloparoiko</i>	<i>300 meters</i>	<i>Semi mountainous</i>

- The satellite equipment was first deployed 5 years ago at 2008*
- Contention Ratio = 30 to 50, Download/Upload: 2048/256kbps*
- Main equipment provided by the Hellenic Aerospace Industry*
- Suitable for remote areas where no other technology can be used.*

Trikala region main aspects of expertise

- **Important:** *Analysis of the needs that have to be satisfied + critical assessment*
- *Requirements of the region for which the connectivity targets are set*
 - *In terms of: morphology of the region, weather conditions*
- *Examine all Satellite internet provider offers based on bit rate and contention ratio combination*
 - *Cheaper: Low bit rate (kbps) + High contention ratio*
 - *Expensive: High bit rate (kbps) + Low contention ratio*
- *Convenient for internet connection in remote areas*
- *Telecare – Telemedicine – eGovernment applications serving*
- *Cost sharing between a group of businessmen like restaurateurs, hoteliers*