

# *Astrea* Project Charter - Planning of the project: Payload

October 1, 2016

# 1 Planning of the project

## 1.1 Identification of the tasks and description of the tasks

ID	Work Package	Biref task description list
1.3.1	Payload antenna	Task 1-Antenna: Calculation of the size of the antenna needed to communicate with the other satellites. Task 2-Antenna: Search the available antenna in the market that best fits the needs of the project.
1.3.2	Payload Data Handling System (PDHS)	Task 1-Selection of the configuration. Task 2-Establishment of the desired hardware and software. Task 3-Search the available PDHS in the market that best fits the needs of the project.

## 1.2 Interdependency relationships amogn tasks and human resources and level of effort

ID	Work Package	Time (h)	Prelations
1.3.1	Payload antenna	30	BF-2.3
1.3.2	PDHS	50	BF-2.3

# 2 Budget

## 2.1 Engineering hours budget

Work Package	Time (h)	Labour cost (eur)
Satellite design		
Payload		
Antenna	30	500
PDHS	50	1000
<b>Total</b>	<b>80</b>	<b>1500</b>
<b>Total estimated</b>	<b>80</b>	<b>1500</b>

## 2.2 Preliminary total cost budget

Work Package	Product cost(eur)	Time (h)	Labour cost (eur)
Satellite design			
Payload			
Antenna	6000	30	500
PDHS	7000	50	1000
<b>Total</b>	<b>13000</b>	<b>80</b>	<b>1500</b>
<b>Total estimated</b>	<b>13000</b>	<b>80</b>	<b>1500</b>