

AGTA
Awards
Winner 2022



DRONES IN FORESTRY

STUDENT ACTIVITY SHEETS
Years 9-10



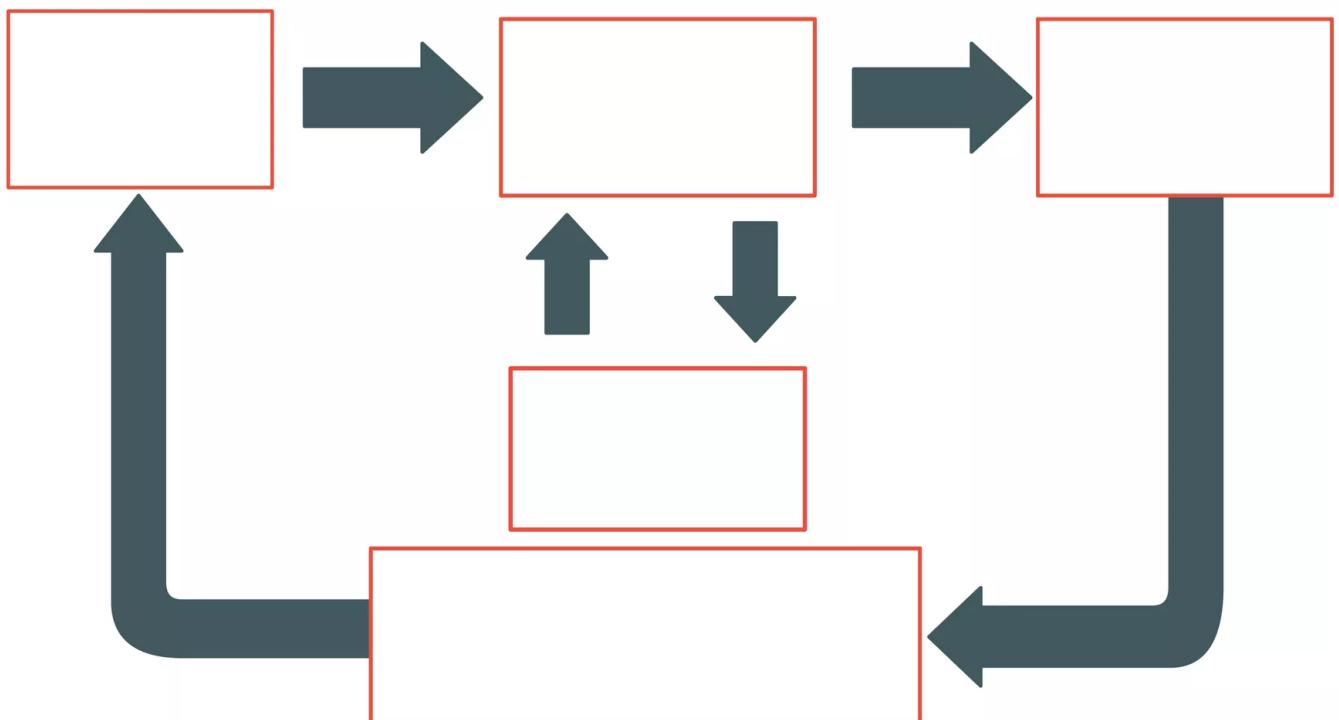
Digital Systems In Forestry - IPO Activity

NAME: _____

IPO flow diagram



IPO flow diagram with feedback loop





Digital Systems In Forestry

NAME: _____

Group Research Task Sheet

Your group has been assigned one of the following topics (Highlight your assigned topic):

- **Group 1: GIS and drones**
- **Group 2: Drones and forest fires**
- **Group 3: Drones and forest management**
- **Group 4: Eagle Eye Project**
- **Group 5: Integrated weighbridge systems for timber haulage**
- **Group 6: Tracking timber**

For the purposes of this task, your group is part of the communications team of a company that produces <your assigned topic>. Your task is to create and present a technical report and press release that is designed to be read and understood by potential customers or financial backers. Your report will need to:

- explain the role of hardware and software in managing, controlling and securing movement of and access to data in the networked digital systems
- evaluate critically how the information systems and policies, take account of future risks and sustainability, and
- provide opportunities for innovation and enterprise.

Each group will be provided with some starter sources to provide background information on your topic. Your group might have to do further research to find corroborating sources to confirm your findings and develop your report.

Include in your group report:

1. an overview of the digital system you have been assigned
2. a diagram to show the components in the digital networked system
3. an IPO chart with feedback loop/s to demonstrate the flow of data in the system including where security measures would (or should) be placed
4. a policy document indicating how your group would manage such a system taking account of:
 1. future risks (internal and external) determined through use of risk management plan template
 2. sustainability considerations - technical, environmental, social (business reputation) and economic
5. a press release to promote the system to potential customers or financial backers.

Your report should be presented as a PDF file in landscape format which will be presented to the potential customers and financial backers (the class) as a slideshow presentation.

THANK YOU!



This unit of work has been brought to you by She Maps and was developed in partnership with ForestLearning. You can find out more about ForestLearning at forestlearning.edu.au

We hope that you love our resources, and that you are excited for what we will release next! To see more She Maps resources check out our [Teacher resources page](#).

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WHAT DO YOU NEED?

We're always looking for recommendations for topics or themes for drone and geospatial teaching resources. If you've got something in mind, then please email

programs@shemaps.com



Australian Geography Teachers' Association Limited

AGTA Awards



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Category:
Digital/Online Resource

Resource:
Years 5-6 Drones in Forestry
Years 9-10 Drones in Forestry

Publisher:
ForestLearning and She Maps

This certificate has been presented in recognition of the quality of the product in terms of its:

- ❖ currency
- ❖ authenticity
- ❖ application of contemporary understandings about how students learn
- ❖ the use of cutting-edge production, and
- ❖ contemporary and innovative style in supporting geographical education in Australian schools.

The ForestLearning and She Maps Drones in Forestry units dynamically engage with emerging technology for a contemporary learning experience for all students. The significant support and resourcing attached to the unit empowers teachers to implement contemporary geographic tools in their curriculum, underpinned by strong vocational links.

Presented at the 2022 AGTA Conference, Hobart, Tasmania, September 2022

Dr Susan Caldiss
Chairperson of AGTA Board

