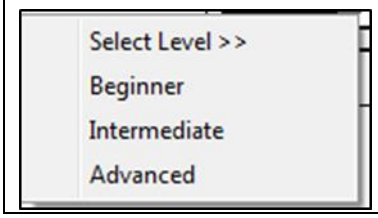
Assess the effectiveness of conservation education workshops on Azerbaijani students' knowledge about rare vegetation distribution and skills on monitoring of threats to rare vegetation within the "buffer zones" in Gobustan National Park

Lesson Plan

Lesson Plan

Course name: Assess the effectiveness of conservation education workshops on Azerbaijani students' knowledge about rare vegetation distribution and skills on monitoring of threats to rare vegetation within the "buffer zones"



Lesson Objectives:

Exam implementation (2-3 days)
The first day will focus on Students' knowledge about and attitudes towards rare vegetation and its threats in Azerbaijan based on the "Rare Vegetation Knowledge Test". The last two days will focus on Students' skills on rare vegetation identification in areas clearly marked by examiners based on the "Special Topic Questionnaire" and "Remote Sensing Exercises".

Lesson Structure:

Rare Vegetation Knowledge Test		
Session Contents	Description	Lesson /Exam Type
Rare Vegetation Knowledge Test	12-15 multiple-choice items with three-four options. These tests assesses biodiversity conservation knowledge and will asked respondents to identify rare plant species. The threats to Rare vegetation; Rare vegetation monitoring; Buffer zones; Vegetation response to Industrial development	Practical

Special Topic Questionnaire		
Session Contents	Description	Lesson /Exam Type
Geographic Information Systems (GIS): Knowledge Base	• Basic GIS; • ESRI ArcGIS: Tools and Functionality; • Map Queries and Navigation. Spatial Filtering, • Geospatial Analysis	Practical
GPS machines:	• Buttons & Pages in your GPS • Getting to know the basic GPS terms • Set Up • Entering a grid reference • Field Surveys and Data Recording	Practical
Remote Sensing Exercises		
Session Contents	Description	Lesson Type
Remote Sensing (RS) Technologies:	• Satellite Image Processing • Satellite Image Classification	Practical

Resources:

Used software	
ESRI	**ArcGIS v10.5: ArcMap** Esri's ArcGIS is a geographic information system (GIS) for working with maps and geographic information. It is used for: creating and using maps; compiling geographic data; analyzing mapped information; sharing and discovering geographic information; using maps and geographic information in a range of applications; and managing geographic information in a database.
ERDAS IMAGINE	**ERDAS IMAGINE** is a remote sensing application with raster graphics editor abilities designed by ERDAS for geospatial applications.

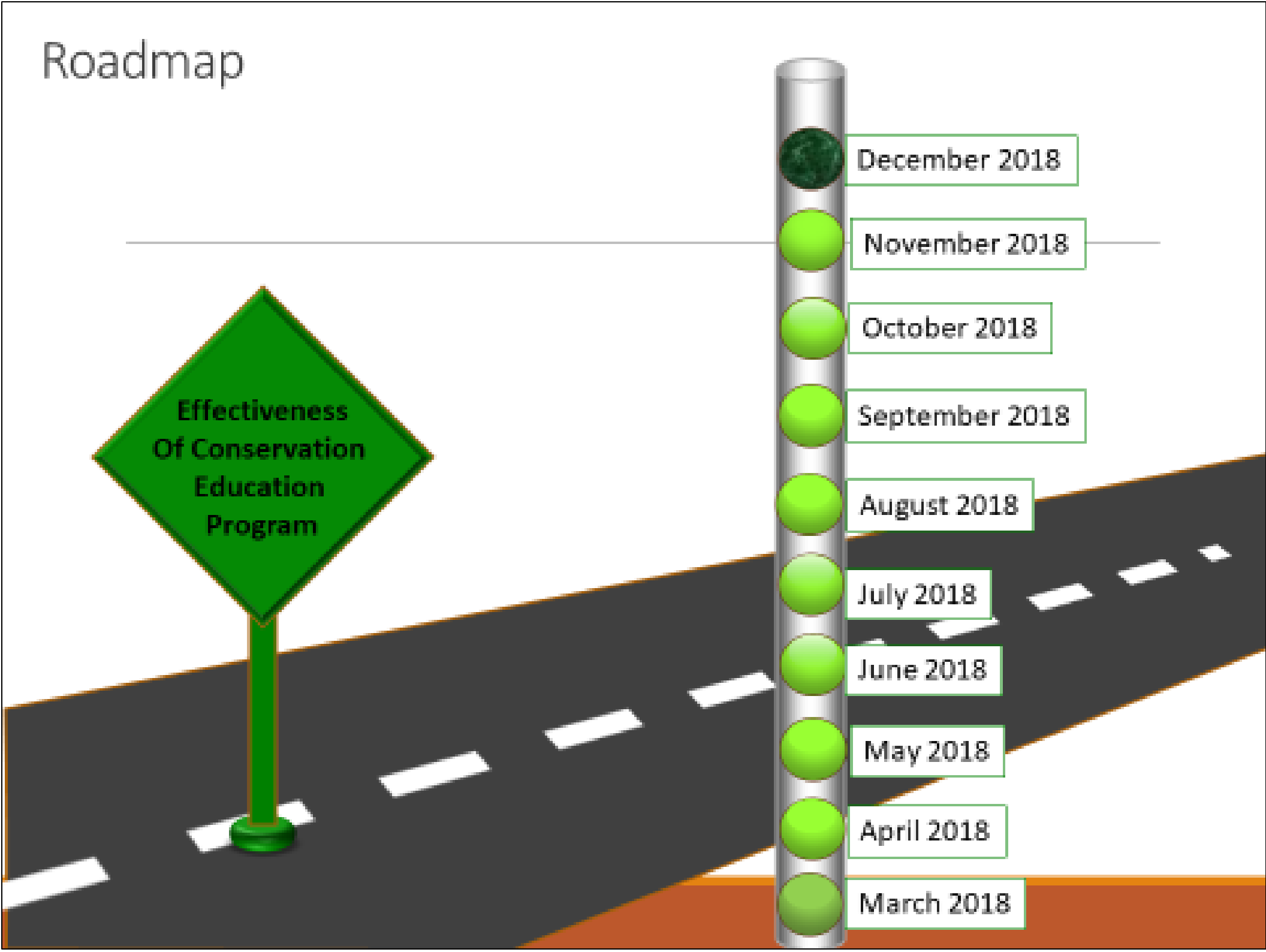
Used Equipment	
Satellite Imageries	Four SPOT5 images in 2.5 m and 5 m resolutions and four SPOT4 images in 10 m resolution, will used for the delineation and classification of rare vegetation communities.
GPS	Garmin Navigation System

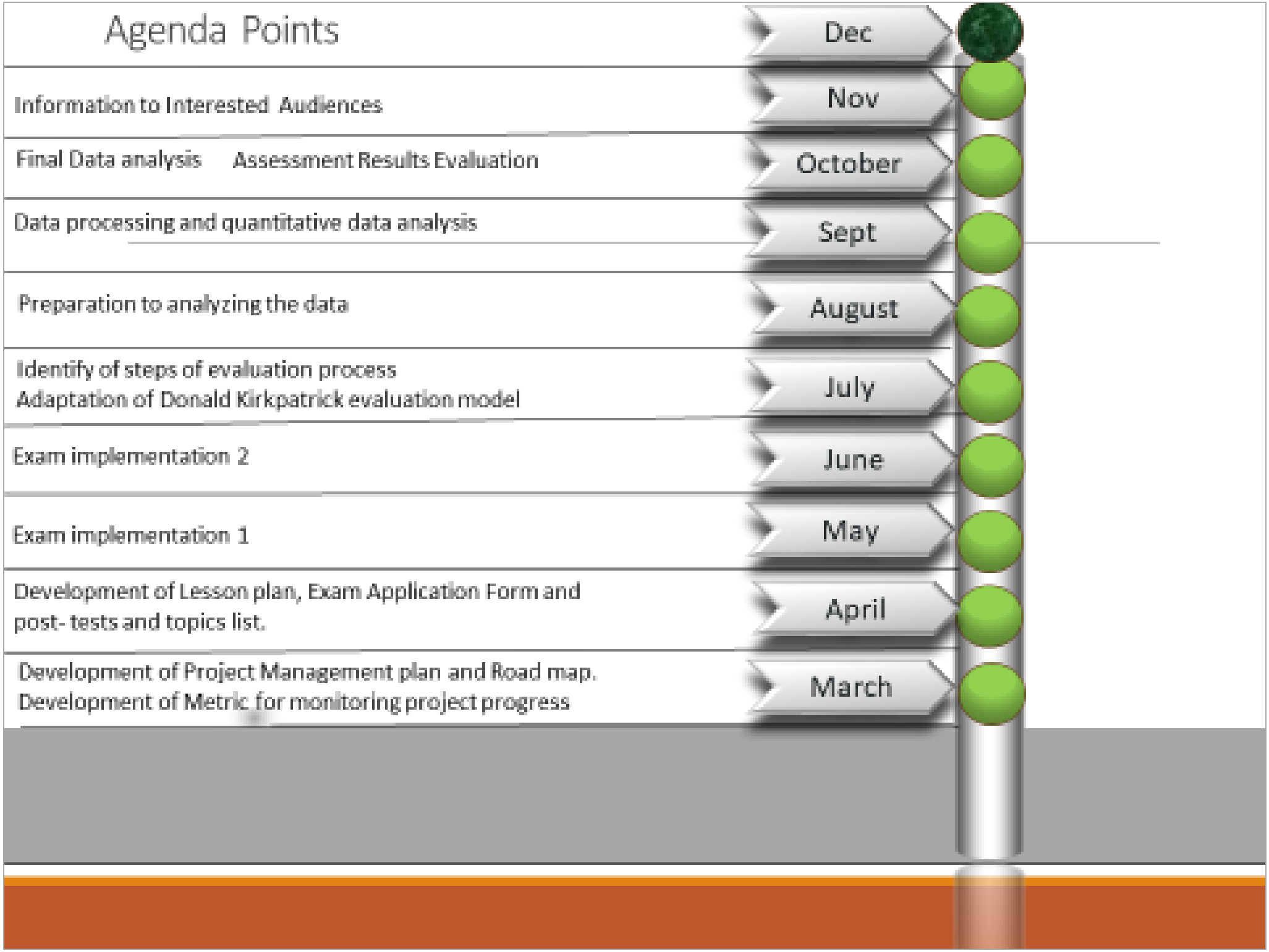
Prerequisites/Preparation actions for participants:

ESRI ArcGIS has been installed. It has been used ArcGIS Desktop 10.5 with its extensions

Prepared By: Yelena Gambarova

Roadmap


Effectiveness Of Conservation Education Program
December 2018
November 2018
October 2018
September 2018
August 2018
July 2018
June 2018
May 2018
April 2018
March 2018


Agenda Points
Dec
Information to Interested Audiences
Nov
Final Data analysis Assessment Results Evaluation
October
Data processing and quantitative data analysis
Sept
Preparation to analyzing the data
August
Identify of steps of evaluation process
Adaptation of Donald Kirkpatrick evaluation model
July
Exam implementation 2
June
Exam implementation 1
May
Development of Lesson plan, Exam Application Form and post- tests and topics list.
April
Development of Project Management plan and Road map.
Development of Metric for monitoring project progress
March