

# Pacific Climate Change Portal (PCCP) and Climate Change Portal Starter-pack (CCPS)

## Step 3: Upgrade Implementation Plan

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# Introduction

This document provides an implementation plan for upgrading the Pacific Climate Change Portal ([pacificclimatechange.net](http://pacificclimatechange.net)) to Drupal 9 and for upgrading national climate change portals, currently based on the climate change portal starter pack, to Drupal 9.

The upgrade path is based on the architecture plan and data migration mapping provided in the Step 2 documentation.

This plan provides a guide only, to assist with planning schedules and budgets. Currently it is unclear which national portals might wish to upgrade as stand alone portals versus merging with existing INFORM portals. Sprints 3 and 4 outline one of each of these scenarios.

For the best quality final results, this plan includes graphic design processes and accessibility testing processes for each upgrade.

## Sprint 1 - PCCP Architecture

This sprint aims to prepare an EKAN-based PCCP architecture, ready for subsequent theming and data migration.

A project codebase for the PCCP is to be prepared and data structure elements outlined in the architecture design plan that are required for data migration are to be implemented.

The PCCP should be built upon the EKAN distribution, but should **not** be based upon the INFORM-EKAN implementation as it requires a number of differences and an independent look and feel.

### Key deliverables:

- Enhance EKAN's Dataset / Resource content management with an additional resource type taxonomy reference.
- Prepare new Drupal 9 project using EKAN and with a gitlab code repository
- Implement the country taxonomy vocabulary.
- Implement the project and funding database feature.
- Implement the country profile feature.
- Implement automated test coverage for project and country profile features.
- Prepare graphic design mockups for PCCP interfaces.

**Estimated Development Effort:** 100 hrs

## Sprint 2 - PCCP Theme Implementation and Data Migration

This sprint aims to implement an upgraded look and feel theme for the PCCP based on the graphic design process from sprint 1. It also aims to complete the data migration processes, importing all necessary data and files from the legacy PCCP into the Drupal 9 based system.

### **Key deliverables:**

- Prepare PCCP Drupal theme as a sub-theme of existing ekan\_base theme.
- Implement theme look and feel based on graphic design mockups.
- Implement data migration scripts following provided data mapping tables
- Implement mega-menu navigation and mobile flyout menu.

**Estimated Development Effort:** 200 hrs

## Sprint 3 - PCCP Upgrade Test and Launch

This sprint aims to get the upgraded PCCP ready for a stable release / launch.

### **Key deliverables:**

- Accessibility testing as per testing plan detailed in step 2 documentation.
- Stakeholder acceptance testing.
- Staging and production environment preparation.
- Performance optimisation, including varnish or cloudflare config.
- Launch

**Estimated Development Effort:** 100 hrs

## Sprint 4 - PCCP Post Launch Enhancements

This sprint sees the implementation of a number of features into the PCCP that are not considered mandatory for the data migration process or a production launch.

### **Key deliverables:**

- Implement the news and events feature.
- Implement an announcements content type.
- Implement thematic area dashboards (Emissions, Mitigation, Resilience).

**Estimated Development Effort:** 50 hrs

## Sprint 5 - National Portal A: Merge into INFORM Portal

This sprint aims to migrate content from an existing national climate change portal into an existing INFORM Data Portal.

### **Key deliverables:**

- Implement projects and funds database into INFORM-EKAN based on PCCP implementation.
- Adapt data migration scripts used on PCCP to the national portal and migrate existing national portal documents and projects into EKAN.

**Estimated Development Effort:** 50 hrs

## Sprint 6 - National Portal B: Standalone Upgrade

This sprint aims to implement a stand alone national climate change portal, independent from the INFORM portals but still based on the EKAN distribution.

SPREP managed Wodby hosting environment is assumed.

### **Key deliverables:**

- Prepare a new development project based on EKAN distribution.
- Port projects and funding database feature from PCCP.
- Prepare graphic design mockups.
- Implement theme based on graphic design mockups, inheriting from ekan\_base theme.
- Adapt migration scripts used on PCCP to the national portal and migrate existing national portal documents and projects into EKAN.

**Estimated Development Effort:** 80 hrs

## Schedule

Total project timeframe will require approximately five months.

Task name	Start date	End date	+							
				Jan	Feb	Mar	Apr	May	Jun	
<input type="checkbox"/> <b>PCCP / CCPS Upgrade Implementation</b>	<b>03/01/2022</b>	27/05/2022	:	<b>PCCP / CCPS Upgrade Implementation   03/01/2022 - 27/05/2022</b>						
Sprint 1 - PCCP Architecture	03/01/2022	24/01/2022	:	Sprint...						
Sprint 2 - PCCP Theme Implementation and Data Mig...	25/01/2022	14/03/2022	:		Sprint 2 - PCCP T...					
Sprint 3 - PCCP Upgrade Test and Launch	15/03/2022	05/04/2022	:			Sprint...				
Sprint 4 - PCCP Post Launch Enhancements	06/04/2022	20/04/2022	:				Spr...			
Sprint 5 - National Portal A: Merge into INFORM Portal	21/04/2022	05/05/2022	:					Spr...		
Sprint 6 - National Portal B: Standalone Upgrade	06/05/2022	27/05/2022	:						Sprint...	