CLimate Information toolKit for the Pacific

User Manual Ver. 1.0

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APEC Climate Center

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1 Sign In

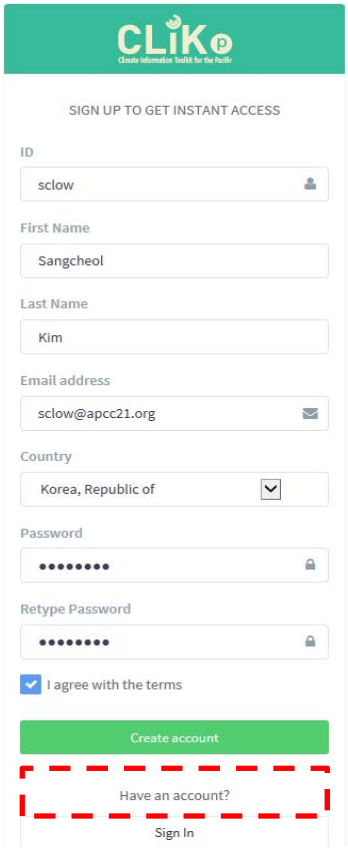
☐ The user should create his/her account for using CLIKⓅ system.

1.1 Create account

☐ When the user connects to the CLIKⓅ website, there are 'Login' and 'Register' icons on the upper right corner. Click the 'Register' icon (Fig. 1) to create a new user account.

(Fig 1) Register icon

☐ Input the necessary user information to create an account and click 'Create account' button on the register page shown in (Fig. 2).



(Fig 2) Register page

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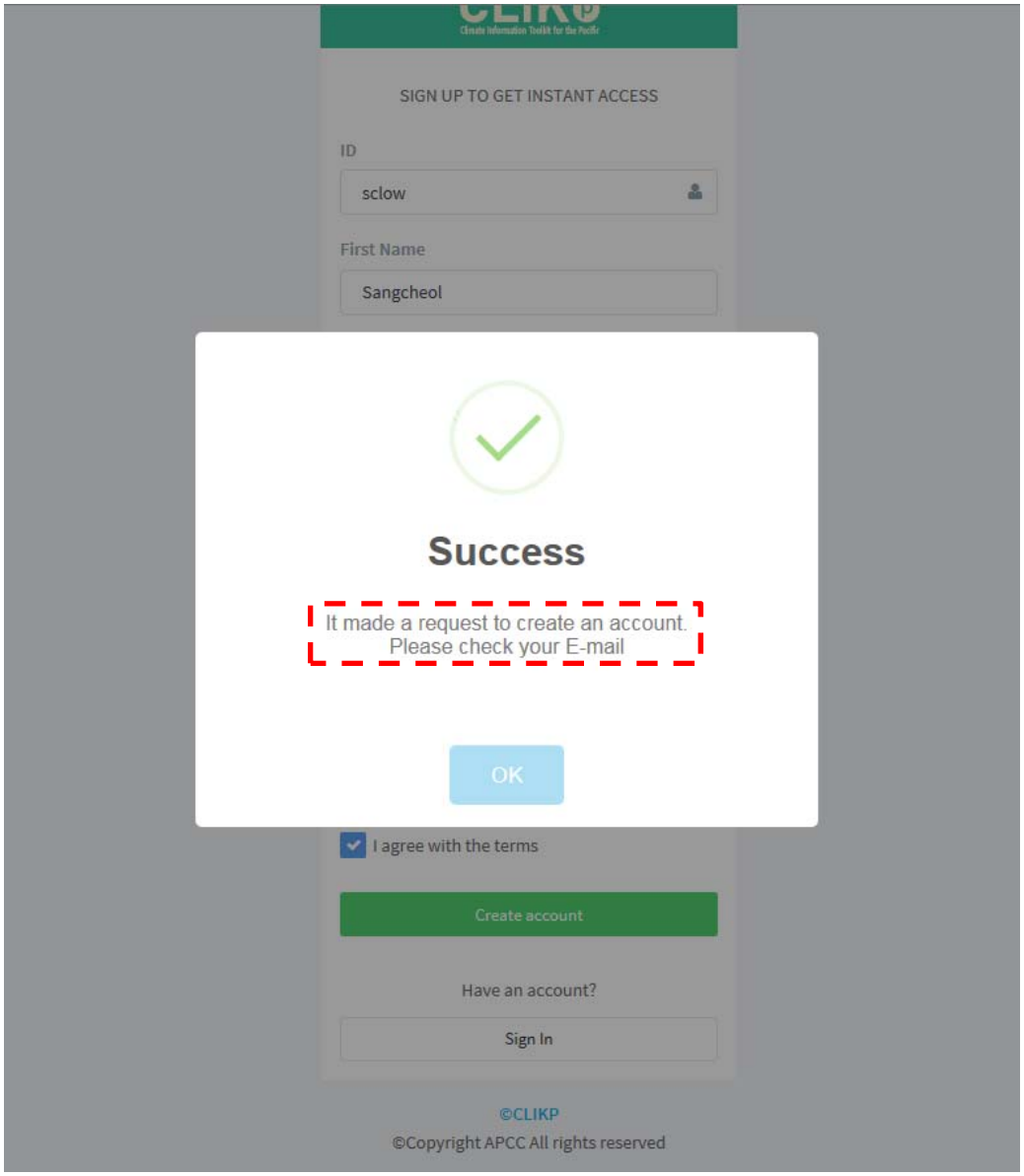
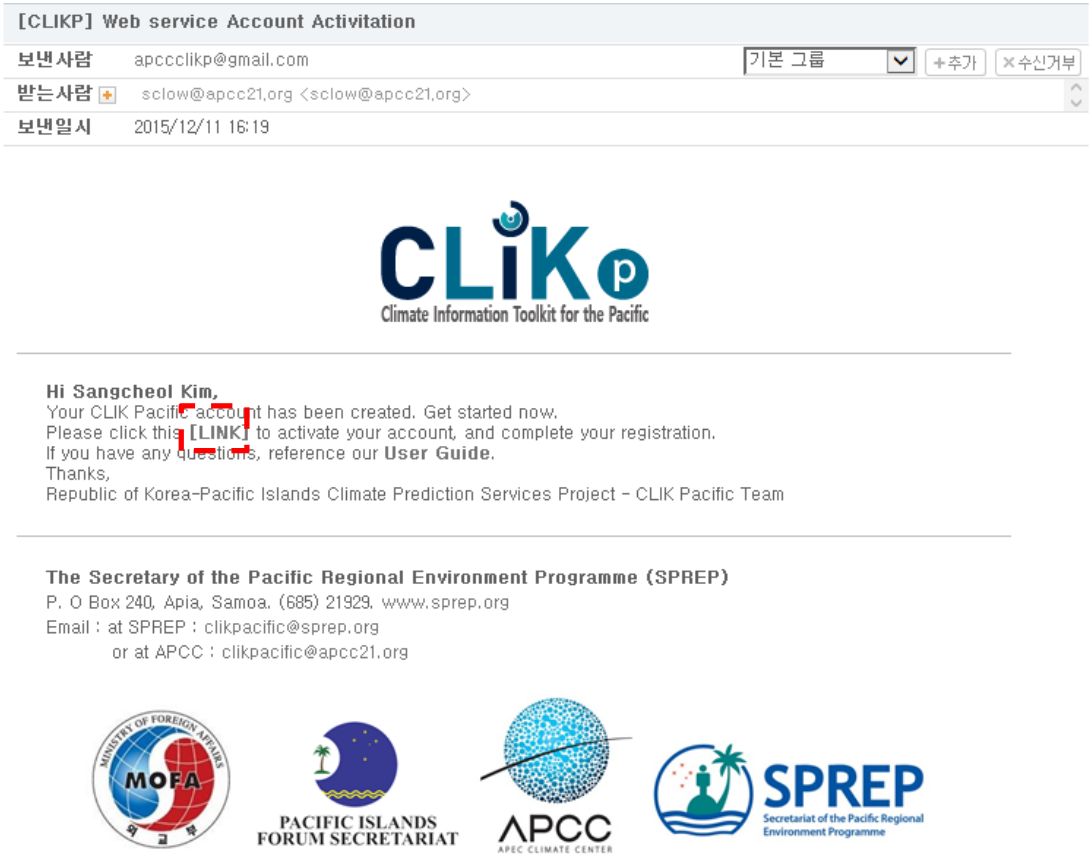
☐ If the account is created successfully, a 'Success' message will be displayed as it is in (Fig 3). Also, the activation e-mail for the account is sent to the user's e-mail address.



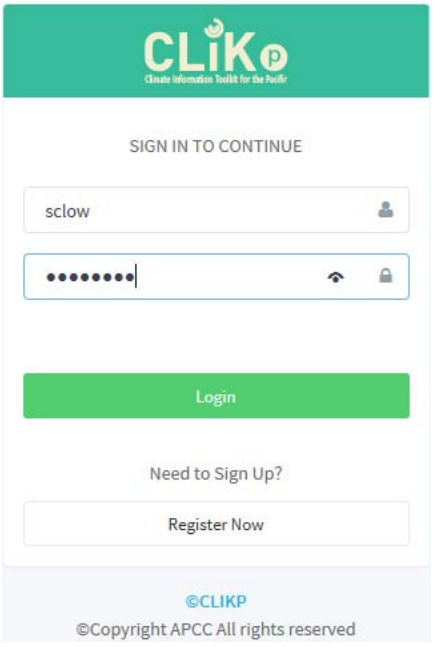
(Fig 3) Success notification window

☐ (Fig 4) shows an example of the activation e-mail. The user can authenticate the new account by clicking the [LINK] in the e-mail. Then, the CLIKⓅ login page will appear.



(Fig 4) Activation of user account

☐ If the authentication is successful, the user will be able to login as shown in (Fig 5).

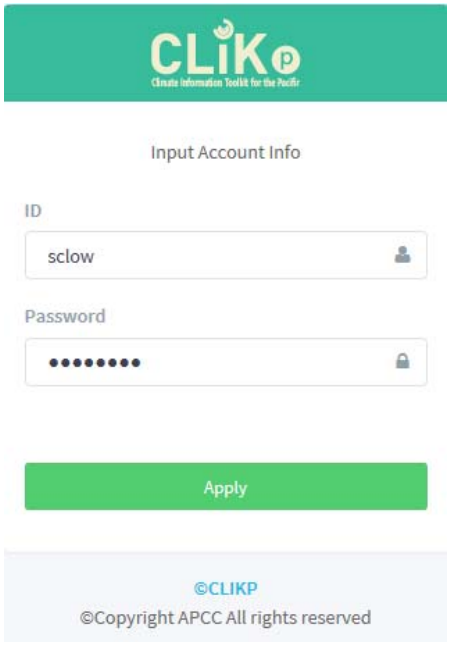


(Fig 5) Login page

☐ After signing in, the user can edit his/her information by clicking the 'Edit' icon on the upper right corner (Fig 6).

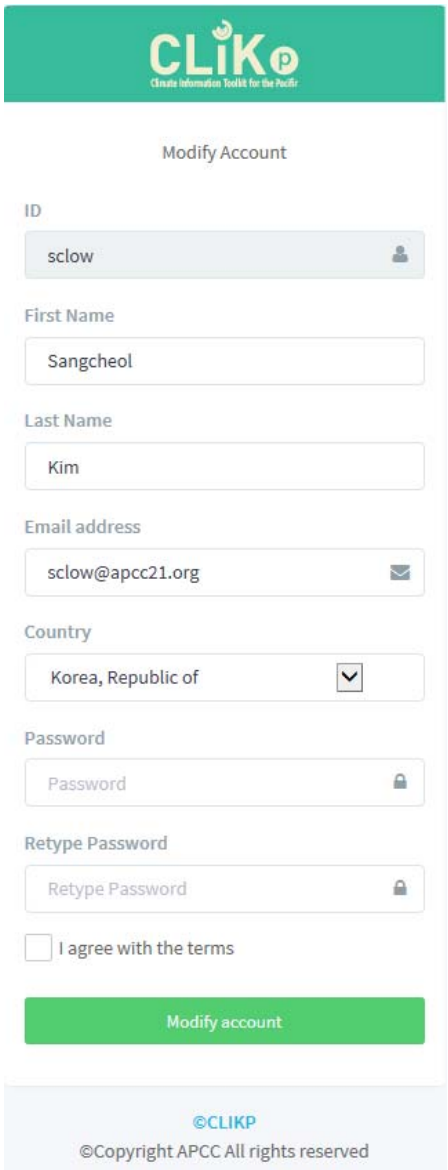
(Fig 6) Edit icon

☐ In order to ensure the security of the account, the CLIKⓅ system requires the user to verify their 'ID' and 'Password', as shown in (Fig 7), in order to edit his/her information.



(Fig 7) User account verification

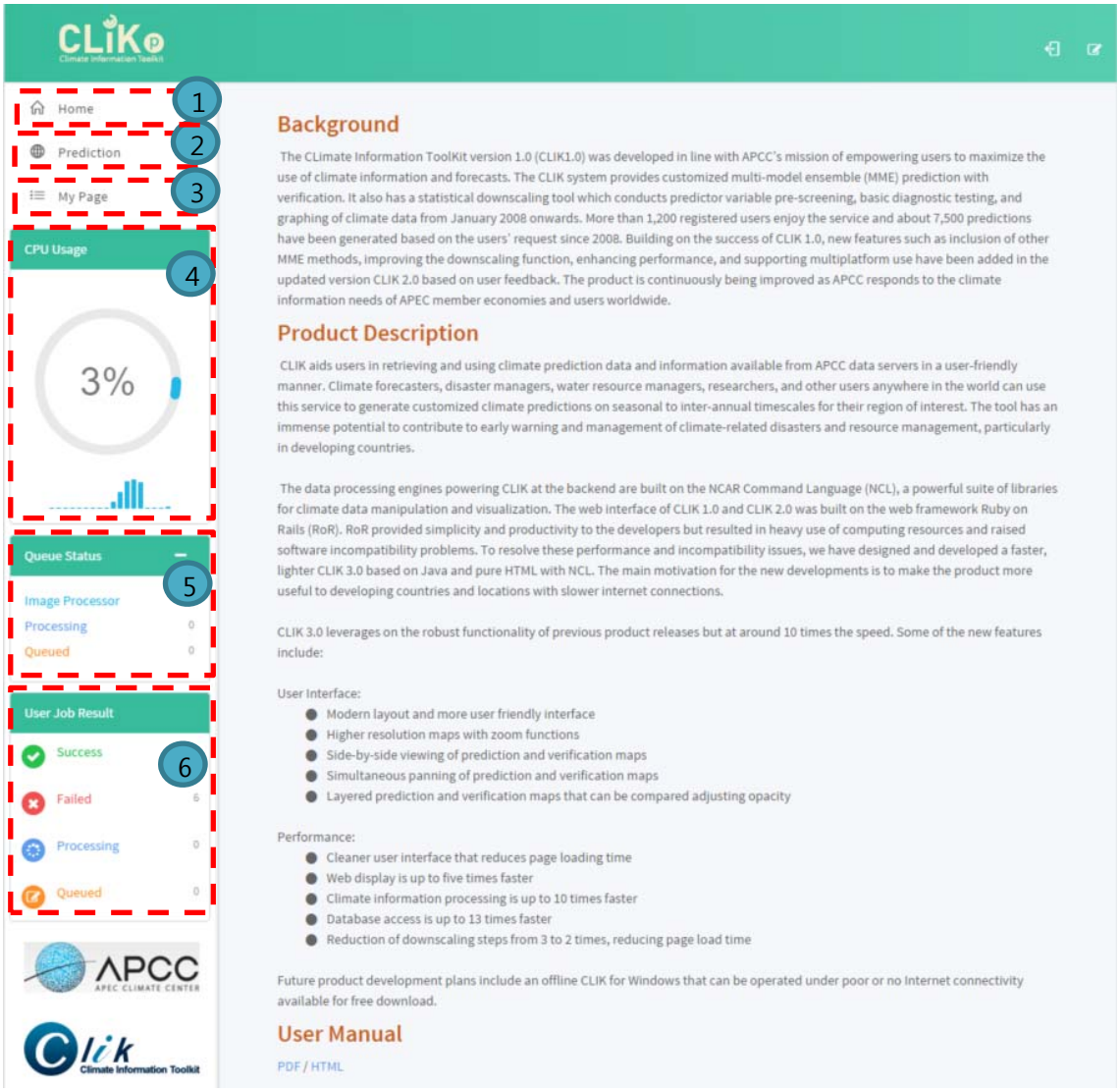
☐ After making the necessary modifications to the user information, click ‘Modify account’ button to save the changes to the information. (Fig 8) shows an example.



(Fig 8) An example of modify user account

2 Intro.

☐ (Fig 9) shows the intro. page of the CLIKⓅ system that provides basic information and user interface.



(Fig 9) Introduction Page

1. Home – Move to the Intro. page
2. Prediction – This menu provides MME prediction & verification
3. My Page – Used to check user job list and processing results.
4. CPU Usage – Displays CPU usage information of the CLIKⓅ system. It is automatically updated every 30 seconds.
5. Queue Status – Shows current number of image processing servers, number of processing jobs, number of queued jobs. It is automatically updated every 30 seconds.
6. User Job Result – Shows the status all of the user's jobs: Success, Failed, Processing, and Queued. It is also automatically updated every 30 sec.

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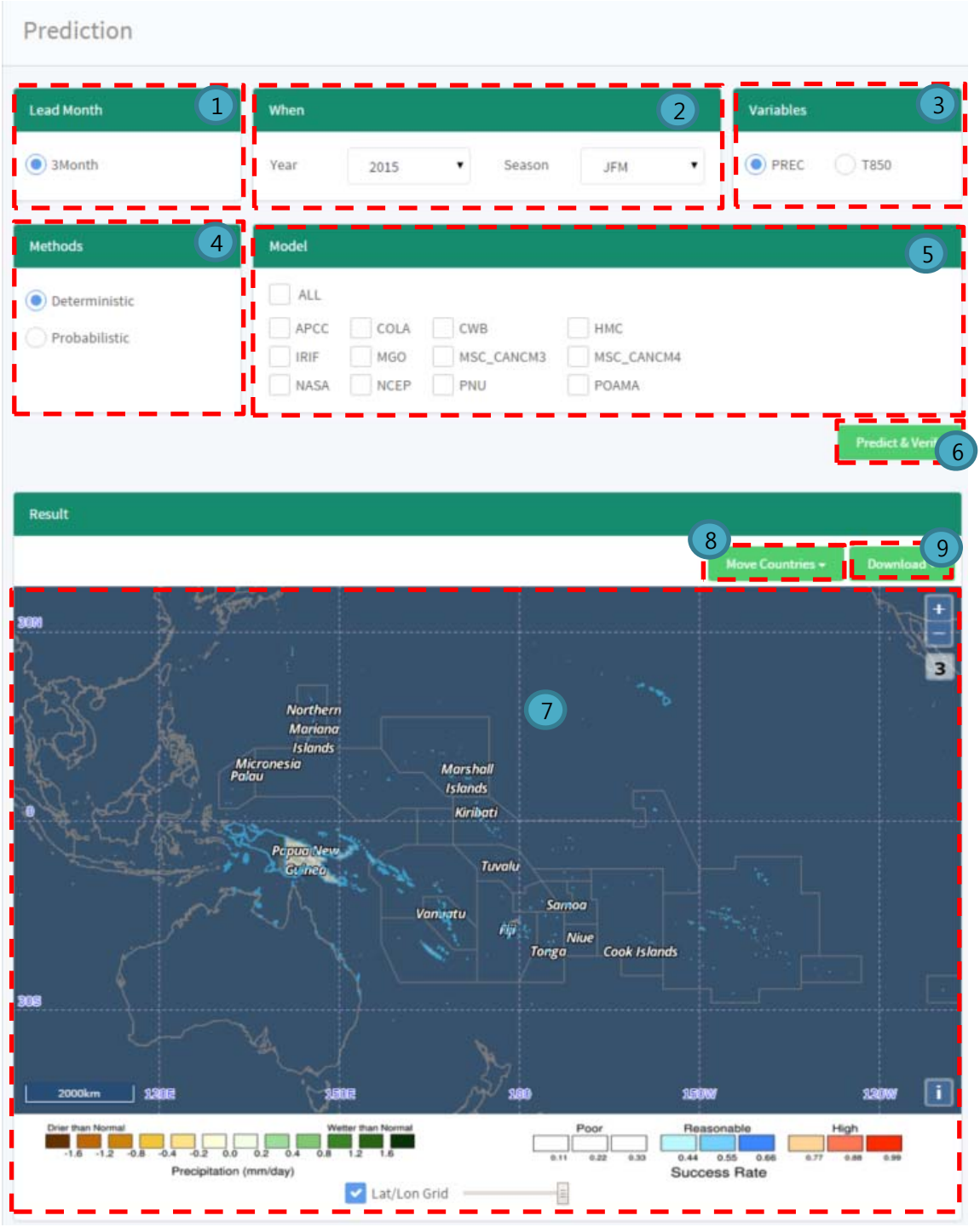
3 PREDICTION

3.1 Prediction

☐ The prediction menu provides MME prediction and verification and shows the results in the built-in map focused on the Pacific region.



(Fig 10) Prediction Screen

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1. Lead Month – Select lead month of MME Prediction.
2. When – Select year and season. For example, you could select 2015 for the year and JFM (January-February-March) for the season.
3. Variables – Select one variable for MME prediction (PREC: Precipitation, T850: 850hPa Temperature).
4. Methods – Choose one of DMME and PMME that use simple composite method and Gaussian approximation, respectively.
5. Model – Select model to be used in the prediction, Available models could change due to lead month, time frame, and other variables.
6. Predict & Verify – Request “Prediction and Verification” with customized parameters due to user’s choice.
7. Map – Present the results of the “Prediction and Verification” on the map.
8. Move Countries – Move latitude and longitude coordinates of the map to selected country.
9. Download – This button supports the downloading of files; PNG, NC and ASCII of the result.

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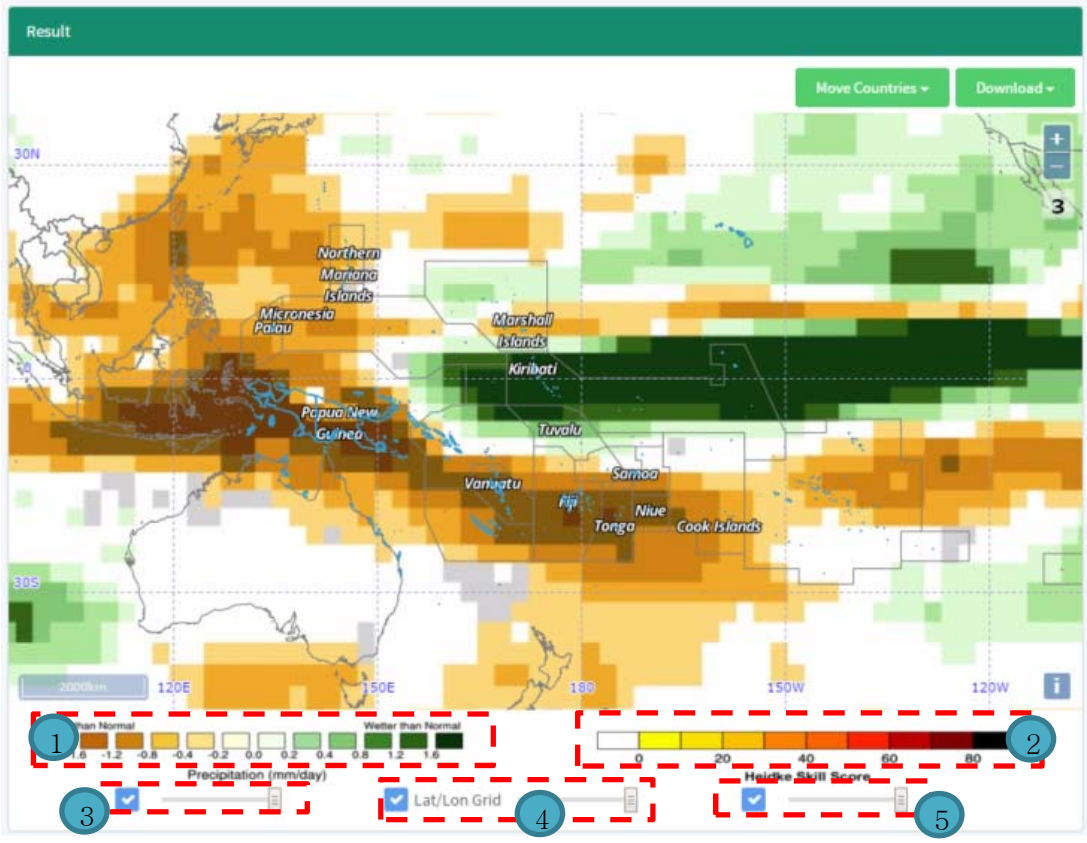
3.2 Result Details: Predict & Verify

☐ Successful result of user's request will be presented in a Pacific oriented map.



(Fig 11) Result Details: Prediction Result

1. The first color bar shows the information that indicates the meaning of color for the prediction results.
2. The second color bar shows information indicating the meaning of color for the verification results.

   3~5 allows the user to choose to display the (3) prediction result, (4) latitude/longitude grid, and (5) verification result. The corresponding box should be checked if the user would like to display that aspect, and unchecked if the user would like that aspect to not be displayed. The horizontal scroll bar adjusts the opacity of each display. This allows for the user to simultaneously view and compare the prediction and verification results, as well as personalize the image to fit their needs.

3.3 Result Details: Download

☐ The user can download the result in various types of files such as image (PNG), binary data (NC), and text data (ASCII) files.

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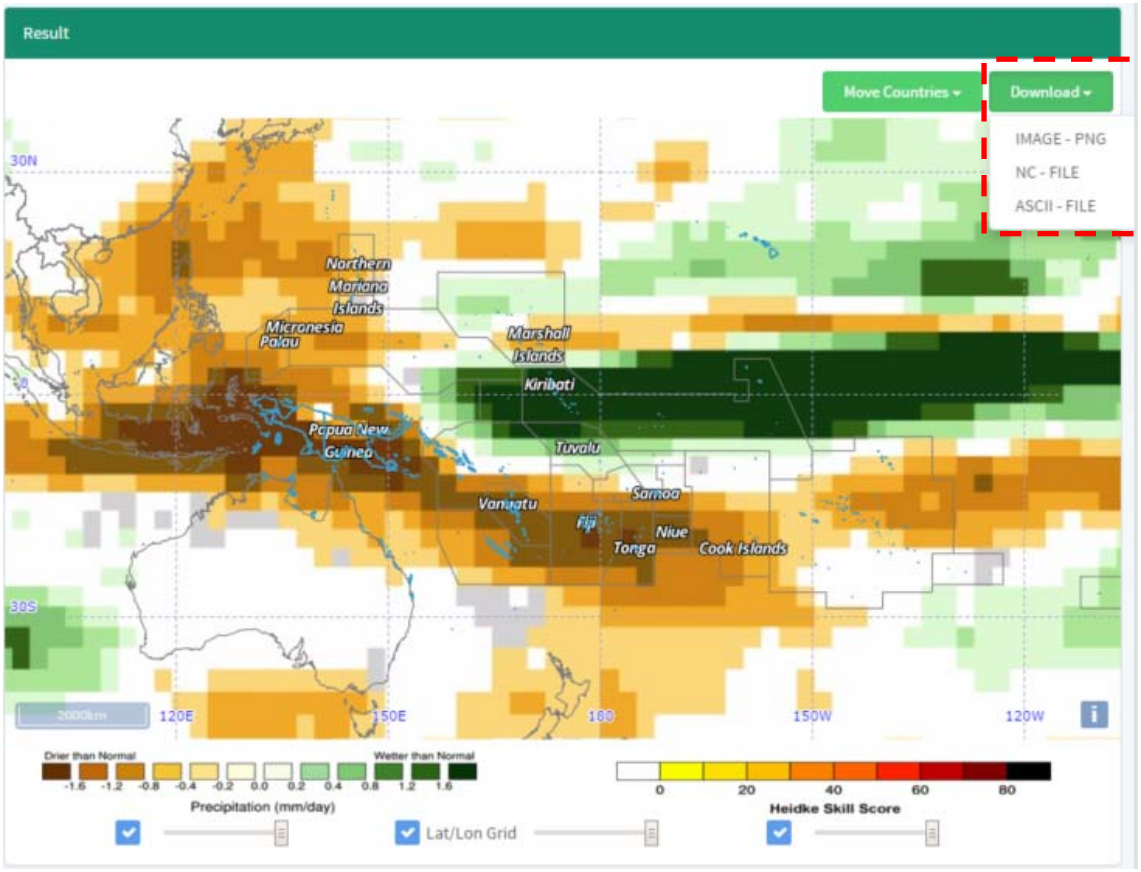
☐ Especially, the downloaded image file precisely represents the appearance of the displayed results (lat/lon grid, transparency, etc.) to the end-user.



(Fig 12) Download button

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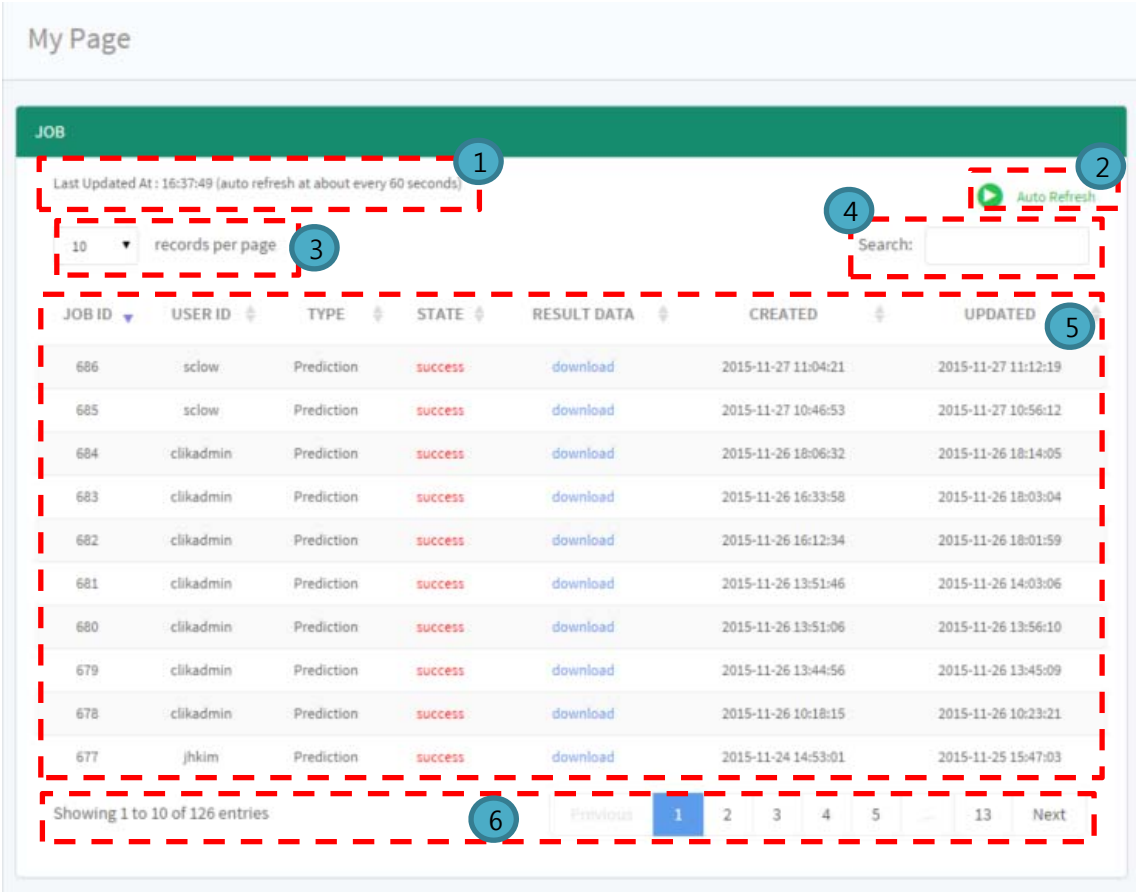
4 My Page

☐ 'My Page' allows users to check the list of jobs and their respective statuses.



(Fig 13) My Page

1. The information on the jobs is automatically updated every 60 seconds, and shows the first created and the last updated time.
2. The status of 'Auto Refresh' indicates whether it is automatically updating or paused. It is automatically paused when searching something or when looking at other pages besides the first page.
3. Set the number of row shown in the jobs table.
4. Search jobs with keywords.
5. The table of jobs contains all of the information on the jobs created by the user. The user can sort the jobs according to different columns (ascending and descending) by clicking each column.
6. Indicates current page and provides the ability to view a specific page.

☐ 'User ID Column' is only displayed to the administrator.

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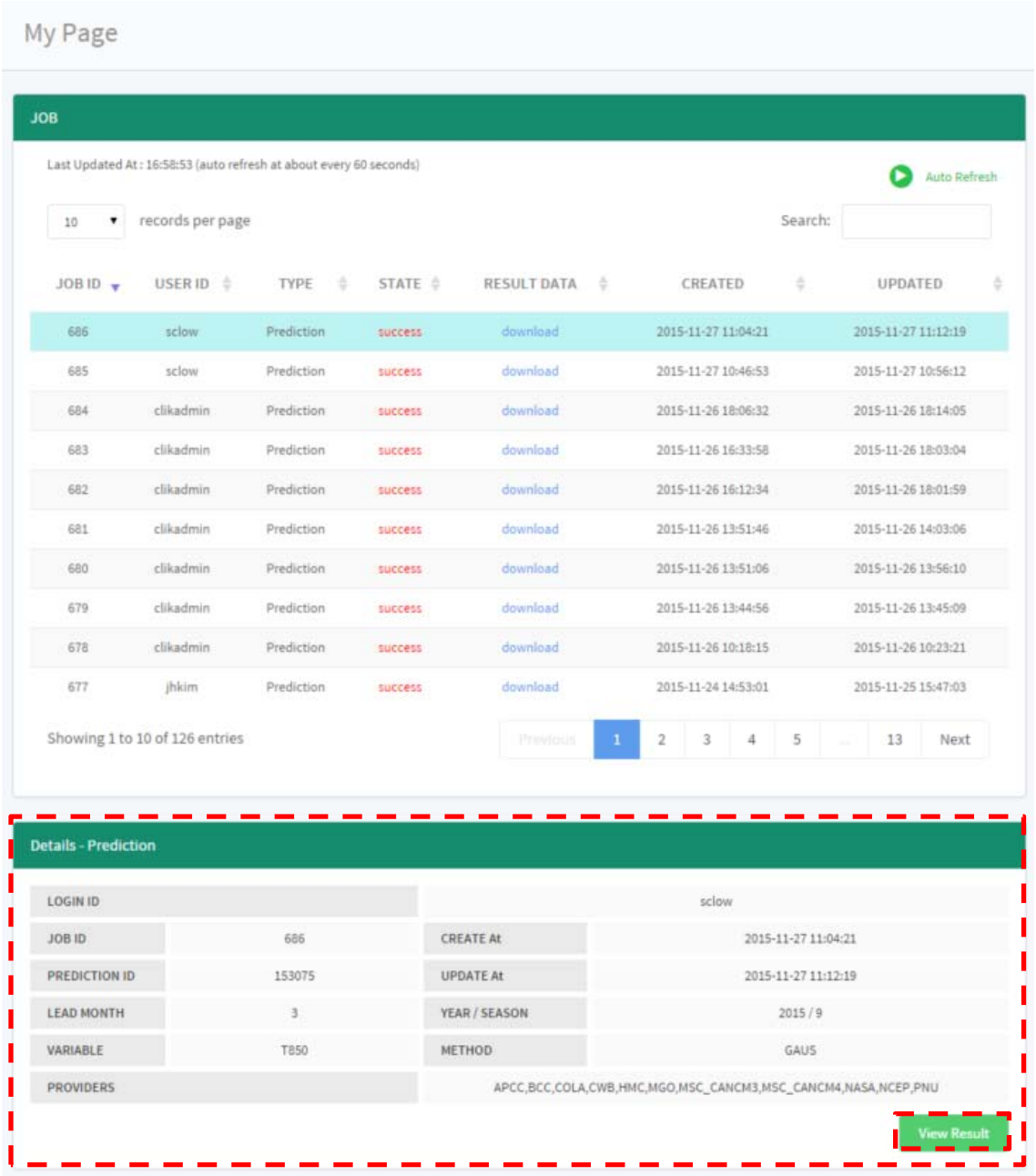
☐ If the user selects a prediction job that indicates a ‘Success’ state, a ‘View Result’ button will be displayed to the user. By clicking this button, the user can see the prediction results.



(Fig 14) Job List – View Result

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