Approved by:

General Director «NURIS» PI ______/A.Zhakupov ______2018

Report

on the "Satellite enhanced snowmelt flood and drought predictions for Kabul River basin with surface and groundwater modeling" project

Executor: 20.12.2018 / Mohammad Daud Hamidi

Principal Investigator:

_____/ Jay Sagin

20.12.2018

Name of service

Working with Website/ Web portal

Description (technical specification) services

Periodically update, revise, share new updates on the project progress in the website, cooperating in uploading data to web-portal, upload/update the news, events and publication sections of the webpage as received results from the contributors (<u>https://www.ckrb.org/</u>)

Result of service provided

Report, updated https://www.ckrb.org web-page





Partnerships for Enhanced Engagement in Research (PEER), Cycle 5: "Satellite enhanced snow-melt flood and drought predictions for the Kabul River basin with surface and groundwater modeling"

Service Delivery Report:

Working with Website/ Web portal (https://www.ckrb.org)

Supported by:

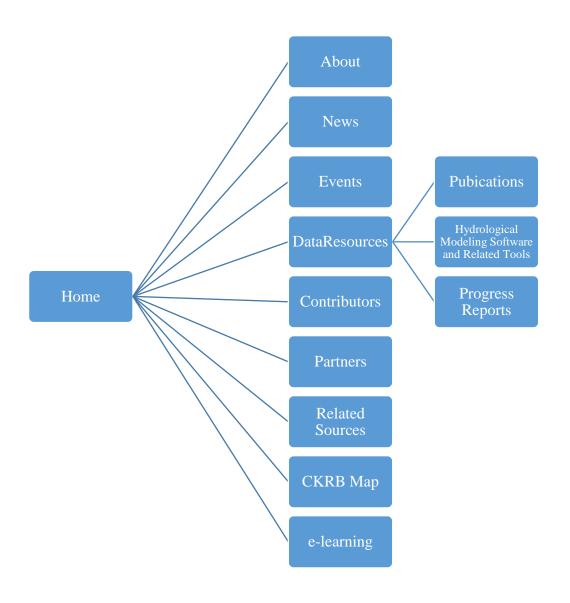
The National Academies of SCIENCES • ENGINEERING • MEDICINE



The main goal of the task is to periodically update, revise and develop new contents on the project progress in the website (https://www.ckrb.org/), cooperating in uploading data to web-portal, upload/update the news, events and publication sections of the webpage by receiving results from the contributors.

Certain activities are done during the period of delivering the task.

Based on the needs of the project the website was re-structured:



- Home:

The page includes general info on the project and its objectives.

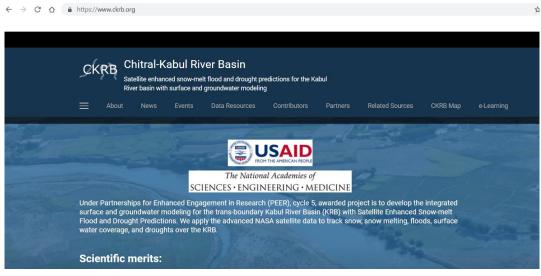
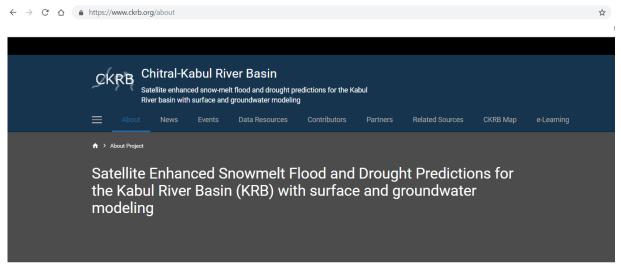


Figure 1: view of home page.

- About:

This section has the details of the project, details of PIs and Co-PIs. In this page the CVs of PI and CO-PIs are available to download.



Under Partnerships for Enhanced Engagement in Research (PEER), cycle 5, awarded project is to develop the integrated surface and groundwater modeling for th Kabul River Basin (KRB) with Satellite Enhanced Snowmelt Flood and Drought Predictions. We apply the advanced NASA satellite data to track snow. snow melting, flor

Figure 2: view of About page.

- News:

The sections included regular updates on the project will be published.

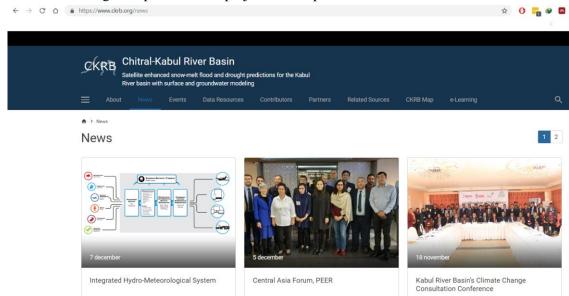


Figure 3: view of News page.

- Events:

The section covers the full details on event/joint events organized under the project.

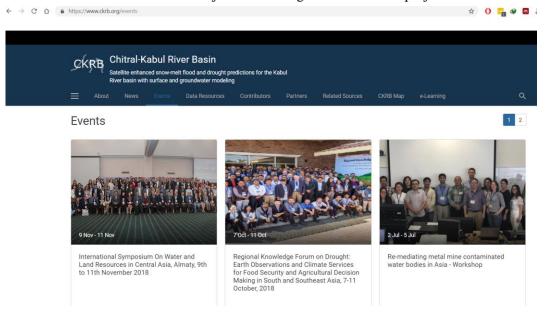


Figure 4: view of Events page.

Data Resources: _

This section is re-structured completely, 3 sub-sections:

- **Publications** -
- Hydrological Modeling Software and Related Tools _
- Progress reports -

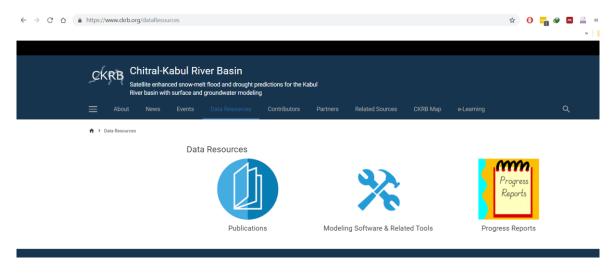


Figure 5: view of Date Resources page.

Contributors: _

Since the project have many contributors, this section will cover the short bio of contributor.

$\leftarrow \rightarrow \times \circ$	https://www.ckrb.org/contributors	\$ 0		-	M M	1
0					ю	
	Chitral-Kabul River Basin Satellite enhanced snow-melt flood and drought predictions for the Kabul River basin with surface and groundwater modeling					
	About News Events Data Resources Contributors Partners Related Sources CKRB Map e-Learning		C	K		
	A > Contributors					
	Contributors					
	We have profesional contributors from Afghanistan, Kazakhstan and Pakistan and other countries who take part in the project.					
	* The list is arranged based on ascending alphabet order.					
	Abdulhalim Zaryab Alamgeer Hussain					



Afghanistan Adbulhalim Zaryab received his MSc in Hydrogeology and Engineering Geology in 2016 from Kazakh National Research Technical University after K.I. Satpayev, Kazakhstan. He currently works as assistant professor at



Pakistan

Mr. Alamgeer received his M.phil in remote sensing and GIS from Arid Agriculture University, Rawalpindi and M.Sc.in GIS from University of Punjab Lahore Pakistan. Currently he works as GIS Expert in Aga Khan Agency for Habitat

Figure 6: view of Contributors page.

- Partners:

This page is dedicated to project partners.

← → C û	https://www.ckrb.org/partners					* 0 • M
	Satellite enha	Kabul River Basin need snow-mett flood and droug th surface and groundwater mod Events Data Resource	leling	Iners Related Sources	CKRB Map e-Learning	م
	♠ > Partners Partners					
		COMSATS Institute of Information Technology	NAZARBAYEV UNIVERSITY	∕∕ ─ CAWa	DRINU	Lamec
	Kabul Polytechnic University	COMSAT, Pakistan	Nazarbayev University	CAWa	DRINU	LAMEC
	Kabul Polytechnic University	COMSATS Institute of Information Technology	Nazarbayev University	Regional Research Network "Water in Central Asia" (CAWa)	Disaster Resilience Institute Nazarbayev University	Laboratory to Monitor Engineering Constructions
	kpu.edu.af	www.comsats.edu.pk	nu.edu.kz	www.cawa-project.net	www.drinu.org	www.lamec.org

Figure 7: view of Partners page.

- Related Sources:

This page covers the related project which have done or will be doing research on the same topic.

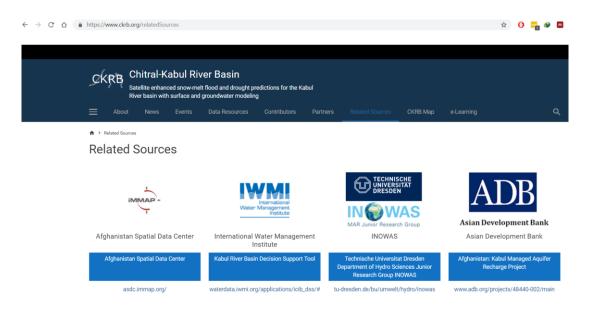


Figure 8: view of Related Sources page.

- CKRB Map:

This page is the geo portal, were we will use to share data.

→ C △ O Not secure map.ckrb.org/maps/35	x O 📲 🛛 📓
GeoNode Data ~ Maps About ~	Q Search Sign in
Kabul Basin	
$= \cdot \ominus + \odot \square \cdot \ominus \ominus + \rightarrow \times \Box$	Download Map
Table A A A A A A A A A A A A A A A A A A A	Metadata Detail
- The the state of	View Map Map Layers
	This map uses the following layers:
San A Star Sold Star	landuse basin subbasin
and the second s	outlet reach

Figure 9: view of the Maps section from Geo Portal (CKRB MAP).

- E-learning:

The section includes the webinars on different modelling tools.

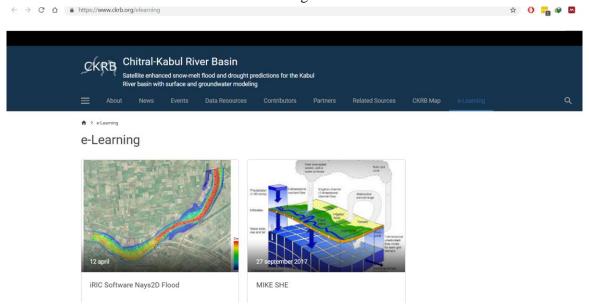


Figure 10: view of E-learning

- Contact Us:

A regular page, where people can use to contact PI and CO-PI of the project.

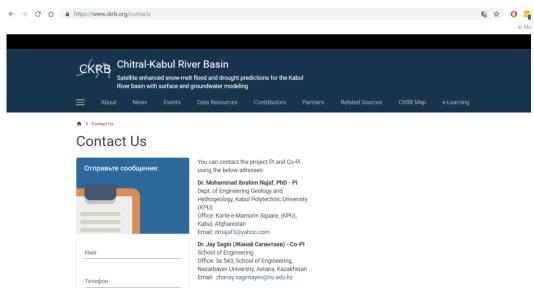


Figure 11: view of Contact Us page.