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Research Data Management in National Agricultural Research Systems of Bangladesh and India

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RESEARCH DATA MANAGEMENT IN NATIONAL AGRICULTURAL RESEARCH SYSTEMS OF BANGLADESH AND INDIA

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Joining the global efforts for open data, the national governments of Bangladesh and India are building necessary infrastructure and policies for opening up of the government data (data.gov.bd and data.gov.in). And following the global advocacy efforts of Global Open Data for Agriculture and Nutrition (GODAN), regionally, the National Agricultural Research Systems (NARS) of Bangladesh and India are making efforts for the establishment of data repositories for agriculture. While the India's NARS had established krishi.icar.gov.in, there is no dedicated repository for the Bangladesh's NARS. As the evidence based science is gaining importance along with reproducible research, opening up of research data would become necessary in all sciences. And with respect to agriculture would be more necessary as many of the Sustainable Development Goals (SDGs) are related to agriculture. The data published by the NARS in both the countries (Bangladesh and India) in terms of articles is growing exceptionally and the research managers should put in place the workflows to extract, curate and make it publicly available and accessible. Our paper presents the overview of the Research Data Management (RDM) in both the NARS of Bangladesh and India and the perceptions of the researchers towards openly sharing the data (published as well as unpublished) and the policies RDM policies for data cycle, rewarding system etc. The paper also talks about the way forward for both the systems to reach SDGs through open research data in agriculture.