

## **Web Technologies in Research and Academic Organizations: Insights from NARS**

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### **Abstract**

When the use and advocacy for free and open source software (FOSS) movement is gaining momentum in the year 2013, we tried to know what are the web technologies the constituent establishments of the Indian Council of Agricultural Research (ICAR) and the National Agricultural Research System (NARS) are using for hosting their websites. Now when the new guidelines from the Indian Government are in force, how the technologies are being replaced or used has to be found out in this year 2017 after a gap of 4 years. As the technologies keep on changing and are moving towards FOSS, this analysis would give a picture landscape of web technologies in Indian NARS.

### **Introduction**

Web technologies used by most of the Indian Council of Agricultural Research (ICAR) and the National Agricultural Research System (NARS) member constituents are similar and not dynamic. Though there were guidelines to follow to maintain uniformity, all the research and education organizations of agriculture in India have restricted themselves for few web technologies. This limitation would be a hindrance for the interactivity and the approachability and usability of the content while looking at the kind of technologies being developed by such a one of largest NARS in the world. If open access technologies are practiced to the fullest to reap the desired results through information technologies. The website, a set of related webpages served from a single web domain and hosted on a web server accessible through a network with an internet address known as uniform resource locator (URL). The website of any organization provides access to the information pertaining to the organization.

### **Guidelines in NARS (ICAR)**

The ICAR/NARS under the World Bank funded project titled "Agroweb - digital dissemination system for Indian agricultural research (ADDSIAR) National Agricultural Innovation Project (NAIP), framed guidelines in 2009 (<http://www.icar.org.in/files/guideline-of-ICAR.pdf>)

## Methodology

The 'Wappalyzer' <<https://wappalyzer.com/>> a browser extension which can uncover the web technologies used in building the websites is used to know what are the web tools that the organizations are using to build and manage websites.

## Results

## References and Resources

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