



# IMPLEMENTATION OF THE BEST PRACTICES FOR DATA ON THE WEB IN BRAZIL AND COSTA RICA

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## Motivation

The **Data on the Web Best Practices (DWBP)** is a W3C Recommendation with 35 Best Practices to provide guidance to different challenges related to data on the Web publishing and consumption.

The Regional Center for Studies on the Development of the Information Society (**Cetic.br**) of The Brazilian Network Information Center (**NIC.br**) and the Judiciary Department of Costa Rica (**Justicia Abierta**) applied the DWBP Recommendation to publish their data on the Web.

## Brazil's Use Case



Figure 1: Cetic.br microdata website

## Costa Rica's Use Case



Figure 2: Costa Rica Justicia Abierta website

## Approach

These two use cases illustrate some of the main **challenges** faced when applying the DWBP. Such as **Metadata**, **Data licenses**, **Data provenance**, **Data quality**, **Data versioning**, **Data identification**, **Data formats**, **Data vocabularies**, **Data access** and APIs, **Data preservation**, **Feedback**, **Data enrichment** and **Data republication**.

Dimension	Best Practice	Applies	Applies immediately	Dimension	Best Practice	Applies	Applies immediately
Metadata	BP01	Yes	Yes	Metadata	BP01	Yes	Yes
	BP02	Yes	Yes		BP02	Yes	Yes
	BP03	Yes	Yes		BP03	Yes	Yes
Data Licenses	BP02	Yes	Yes	Data Licenses	BP04	Yes	Yes
Data Provenance	BP05	Yes	Yes	Data Provenance	BP05	Yes	Yes
Data Quality	BP06	No	No	Data Quality	BP06	Yes	Yes
Data Versioning	BP07	Yes	Yes	Data Versioning	BP07	Yes	Yes
	BP08	Yes	Yes		BP08	Yes	Yes
Data Identifiers	BP09	Yes	Yes	Data Identifiers	BP09	Yes	No
	BP10	No	No		BP10	No	No
	BP11	No	No		BP11	Yes	No
Data Formats	BP12	Yes	Yes	Data Formats	BP12	Yes	Yes
	BP13	No	No		BP13	Yes	No
	BP14	Yes	Yes		BP14	Yes	Yes
Data Vocabularies	BP15	Yes	Yes	Data Vocabularies	BP15	Yes	Yes
	BP16	No	No		BP16	Yes	No
Data Access	BP17	Yes	Yes	Data Access	BP17	Yes	Yes
	BP18	No	No		BP18	Yes	No
	BP19	Yes	No		BP19	No	No
	BP20	No	No		BP20	No	No
	BP21	Yes	Yes		BP21	Yes	Yes
	BP22	Yes	Yes		BP22	No	No
Data Access APIs	BP23	No	No	Data Access APIs	BP23	No	No
	BP24	No	No		BP24	No	No
	BP25	No	No		BP25	No	No
	BP26	No	No		BP26	No	No
Data Preservation	BP27	Yes	Yes	Data Preservation	BP27	Yes	No
	BP28	No	No		BP28	Yes	Yes
Feedback	BP29	Yes	Yes	Feedback	BP29	Yes	Yes
	BP30	Yes	Yes		BP30	No	No
Data Enrichment	BP31	No	No	Data Enrichment	BP31	No	No
	BP32	Yes	Yes		BP32	Yes	Yes
Republication	BP33	No	No	Republication	BP33	No	No
	BP34	No	No		BP34	No	No
	BP35	No	No		BP35	No	No

Figure 3: Assessing the implementation of the DWBP on Cetic.br microdata website

Figure 4: Assessing the implementation of the DWBP on Costa Rica Justicia Abierta website

## Discussion

Both **Cetic.br** and **Justicia Abierta** use cases demonstrated the importance of **gathering the whole team involved** in the process of publishing data.

Although neither use cases implemented all the Data on the Web Best Practices, both use cases showed that it is **possible to implement some of the DWBP without great effort**.