# DDI in R

Notes, Joachim Wackerow, 2016-11-12

## Future Solution Options

* The existing data frame could be extended to a DDI data frame with properties for the variables: name, label, representation type, missing values.
  + Pro: near to R approach, use of foreign package probably possible
  + Con: only data in rectangular form
* The DDI4 data description model could be implemented on an abstract layer. A helper can connect to R constructs.
  + Pro: very powerful
  + Con: works only if used on the abstract layer
  + Open issues: how can the abstract layer be connected to existing packages

## Existing Approaches

### DDIwR: DDI with R

Adrian Dusa

<https://cran.r-project.org/package=DDIwR>

### REDCap and DDI

Larry Hoyle

REDCap and DDI  
<http://www.eddi-conferences.eu/ocs/index.php/eddi/eddi12/paper/view/7>

REDCap and DDI Exporting Data and Metadata with the API  
<https://kuscholarworks.ku.edu/handle/1808/11047>

### r2ddi

Marcel Hebing

<https://github.com/ddionrails/r2ddi>

### DDIR

Yasuto Nakano

<http://www.soc-nakano.net/?DDIR>

#### DDIR and dlcm : integrated environment for social research data analysis

<http://user2015.math.aau.dk/poster_session>

#### Integrated Environment for Social Research Data Analysis: DDIR

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#### DDIR: An R Package for Handling DDI Files

<http://www.eddi-conferences.eu/ocs/index.php/eddi/eddi16/paper/view/251>

### 1st R package for DDI

Name unknown, written by an Italian person.

Tool used foreign package.