ISMRM Software Sharing Guidelines

You are invited submit descriptions of open source software packages *you* have written. The software packages will be *evaluated* by at least one of your peers and posted on the ISMRM software site along with the impressions from the evaluation, both to give you feedback, and to ensure that what we share on the site is easily usable by the ISMRM community. During the evaluation process, you will be working with the evaluator(s) to describe the software and ensure it worked as intended during evaluation.

To ensure that your software package gets the best possible exposure, it is recommended to follow the following guidelines.

1. Use a well-known platform, e.g., GitHub (https://github.com), Bitbucket (https://bitbucket.org/), or Sourceforge (https://sourceforge.net/). These platforms encourage community contributions and discussion. We recommend against using a zip (tar.gz) file on your institution website.
2. Provide a working package that can be tested without having to build the software. Scripting packages (Matlab, Python, etc.) usually run out of the box, but please make sure that dependencies are included. For compiled code or software environments that may be complicated to configure, please consider providing a virtual machine image (https://www.virtualbox.org), Docker container (https://www.docker.com/), Anaconda environment (http://docs.continuum.io/anaconda/index), or a similar solution that would allow potential users to get a version of the software up and running as quickly as possible to try it out. Make sure that any external dependencies are used only when absolutely necessary (e.g., for licensing reasons) and are well described.
3. Provide meaningful examples that can run on average personal computers along with instructions that include descriptions of input and expected outputs. A tutorial walk-through (including installation) is a good way to demonstrate the software.

What to include in your submission

For the ISMRM Hub summary:
- A short name for your software package.
- An image or logo for your software package 300 pixels wide by 100 pixels high *(DG – at this preliminary stage this size is not necessarily finalized as it would depend on the final webpage layout, so don't put too much effort into it yet!)*
- A single-sentence summary of what the package does, and on what platform

- A link to a publication/publications which use this software.
- Short description (<200 words) of the software package.
- Authorship information with contact link or email address (email will be obscured for bots). This can be a single author, a list of principal authors, or a link to a group website.
- Preferred link to software (e.g. GitHub, software homepage)
- Link to a video introduction to the software, if you have one available.

For the review process:
- Make sure that by following the links you have given for the ISMRM Hub summary, the reviewer will easily be able to find:
    - Link to source code (preferably GitHub or similar).
    - Link to build instructions (if needed). Online manual or Wiki.
    - Link to examples and instructions for how to run the software (tutorial).
    - If appropriate, link to precompiled, ready-to-run package with the software.
- Provide a point of contact (email) for questions during evaluation.

Evaluation criteria

- Functionality. Does this software help with a common and important problem?
- Generality. Is this software usable across vendors, applications, and operating systems?
- Usability. Is it easy to install and use?
- Sharing platform. Does the platform (e.g. GitHub) promote community involvement?