The Berlin declaration on open access covers all aspects of scientific information, i.e. both publications and research data. In our presentation, we show how the implementation of an open access policy within such a big institution as the French CNRS requires to take the specificities of those two types of information to be as close as possible to a) the actual needs of the research communities and b) the political, technical and financial possibilities of the institutions. To illustrate that we focus on two main achievements that have been reached since the last Berlin conference, namely the national agreement to go towards one single publication archive for the main academic and research institution in France, and b) the creation of a network of national digital resource centres in the humanities that concentrates the expertise in the domain of creating, managing and disseminating research data. We conclude by showing how these endeavours can be seen as steps towards the creation of a European infrastructure for scientific information.