## Long Term Strategy and Detector Developments at the ESRF

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The ESRF is currently in the process of defining a Long Term Strategy, covering the next 10 to 20 years. This strategy looks at the possible upgrades and refurbishments of the storage ring as well as of the experimental facilities. An important part of the ESRF Long Term Strategy is focussed on the upgrades and developments of the X-ray detectors, and to help in establishing a European approach to Synchrotron radiation instrumentation development.

As a first step ESRF is making a considerable effort to make the results of the past and ongoing detector developments available to the (European) synchrotron community. A few examples are given:

- Development of parallel readout system for gas filled detectors
- Development of a pixel detectors
- Development of Avalanche Photo Diode counter, and in the future Avalanche Photo Diode arrays
- Production of the fast FRELON CCD detector

As a second step, the ESRF is in the process of defining it's medium and long term detector strategy. In order to focus these developments, one (or a few) scientific pilot project(s) will be defined. These pilot projects will address a major scientific challenges, with potentially important breakthroughs. The goal of this workshop on: "New Science with New Detectors" is to identify the most promising and likely scientific projects, and associated detector developments. organized. At the same time this workshop should be the initiation of more European collaboration in the field of SR instrumentation in general and detectors in particular.