The EGRIP project an international ice core project with the aim to drill through the 2550 m deep ice in the North East Greenland Ice Stream (NEGIS). The project has two goals: to produce the best Greenland record of the climate through the last 12,000 year, our present interglacial period and to study ice flow in an ice stream. Although we have several deep ice cores in Greenland, ice from the onset of our present interglacial period is poorly known as the ice from this period has been in too broken for high resolution measurements. The ice flow will be studied by detailed measurements of the ice structure in the ice core combined with borehole measurements and radio echo sounding surveys in the area around EGRIP. We believe the EGRIP studies will open opportunities to learn on ice stream dynamics, a serious knowledge gab restricting our ability to predict future sea level rise.

The project will be presented and the results from the first years of the project, 2015 and 2016 will be shown. See http://www.eastgrip.org for more details.

Figure 1. Top: Map of North Greenland with the surface velocities showing the North East Greenland Ice Stream, the EGRIP location and the flow line of the ice from GRIP to EGRIP. The surface velocity along the flow line is plotted and it is seem that the surface velocity is 55 m/yr at the EGRIP site. Bottom: Radio echo gram of the ice flow along the flow line (CReSIS, 1999) with the traced and dated internal layers (MacGregor, JGR, 2015 (10.1002/2014JF003215))