Let $f: X \to Y$ be a function and let $m$ be an infinite cardinal. Then we say that the rank $r(f)$ of $f$ is $\leq m$ if

$$\left| \{y \in Y : |f^{-1}(y)| > 1\} \right| \leq m.$$ 

If $m = \aleph_0$, then $f$ is of countable rank. In this talk, some results concerning projective classes of countable rank maps will be presented.

This is a joint work with Pawel Krupski (University of Wroclaw, Poland).