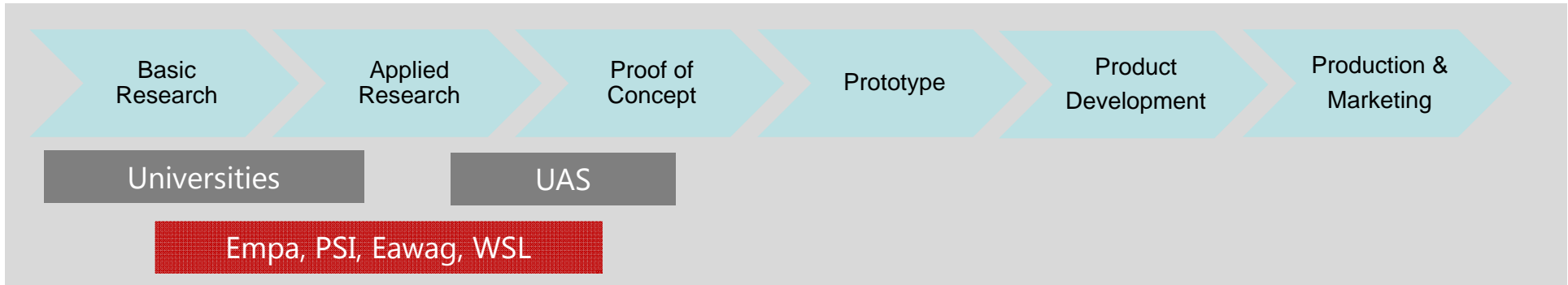
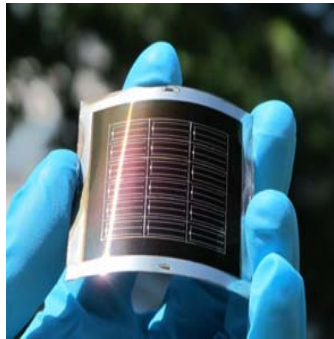
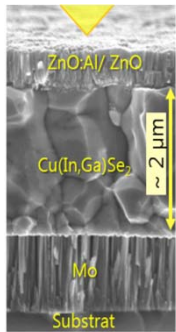


# The Long Road from Ideas to the Market



## Ex: Thin Film Photovoltaics ~ 18 Years



Empa World Record:  
CIGS:  $\eta = 20.38\%$  (2012)  
(Polycryst Si  $\eta = 20.4\%$ )

CH Investor



Investment  
42.5 Mio. CHF for 15 MW  
Pilot Production Plant



Printed Solar Cells

## Ex: Aerogel Insulating Plaster ~ 4 Years



2009: New Method



2013: High-Performance Insulating Plaster



3x better Insulation  
Energy Savings

