

China and Solar Technology “Lock-In”?

David Hart
Senior Fellow

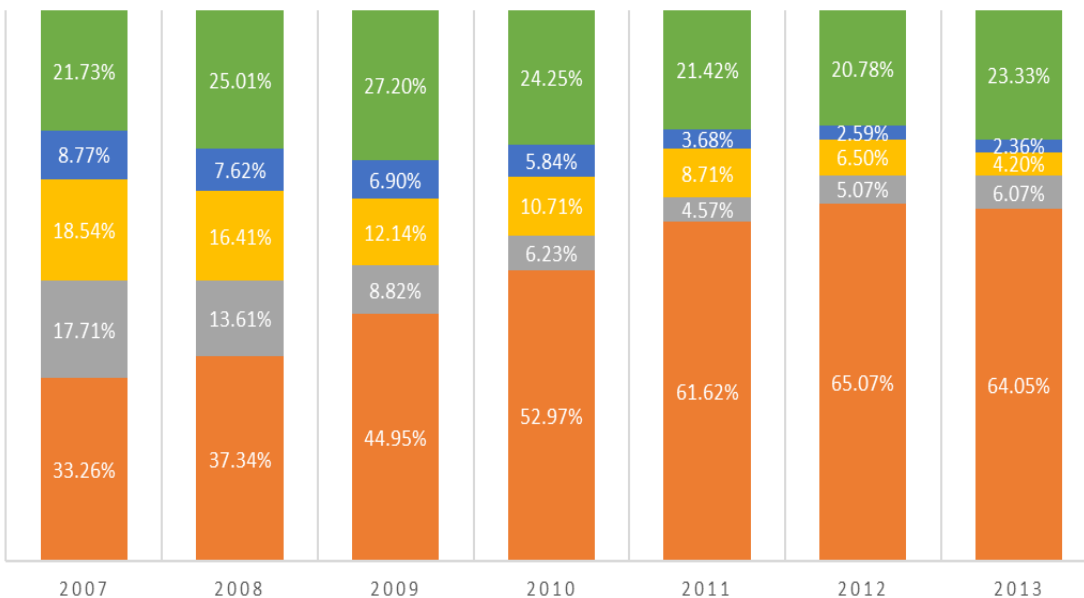
October 30, 2019

@ProfDavidHart

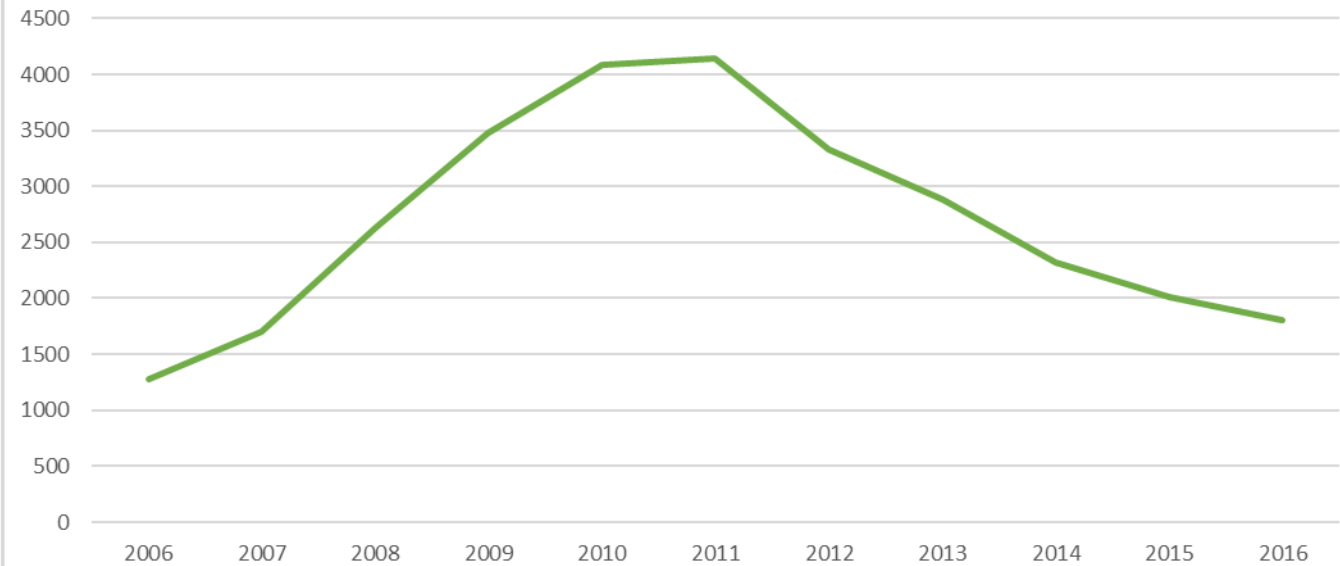
Correlation Or Causation?

SOLAR PHOTOVOLTAICS MODULE MARKET SHARE 2007-2013

China Japan Germany United States Others



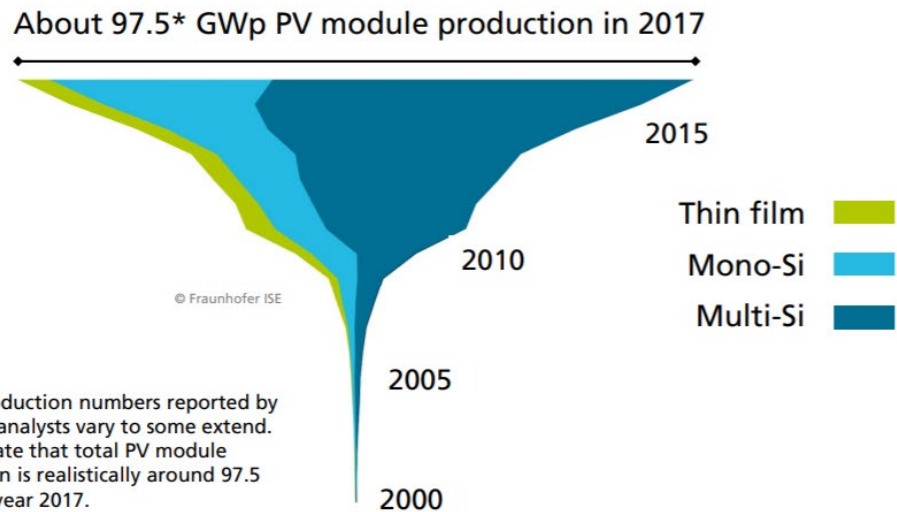
Solar PV Patents, 2006-2016



Sources: Earth Policy Institute, OECD

Thin-Film PV: Path Not Taken

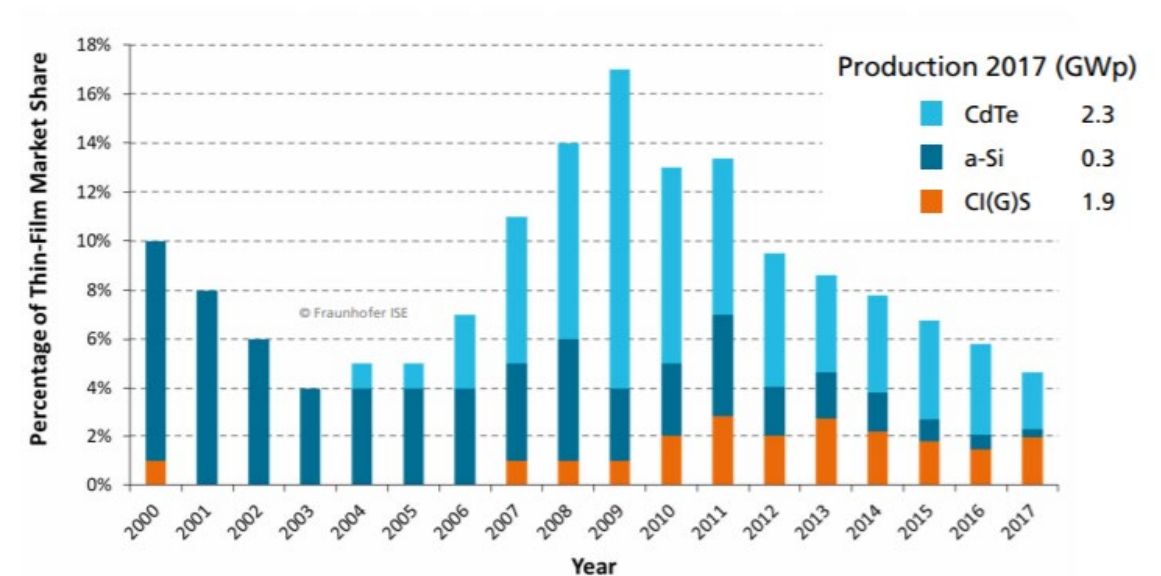
Annual PV Production by Technology Worldwide (in GWp)



*2017 production numbers reported by different analysts vary to some extent. We estimate that total PV module production is realistically around 97.5 GWp for year 2017.

Data: from 2000 to 2010: Navigant; from 2011: IHS. Graph: PSE GmbH 2018

Market Share of Thin-Film Technologies Percentage of Total Global PV Production



Data: from 2000 to 2010: Navigant; from 2011: IHS. Graph: PSE GmbH 2018