

# ASPO-9 INTRODUCTION

**Backdating is the key**

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Forecasting oil production needs to estimate the ultimate reserves from the extrapolation of cumulative discoveries.

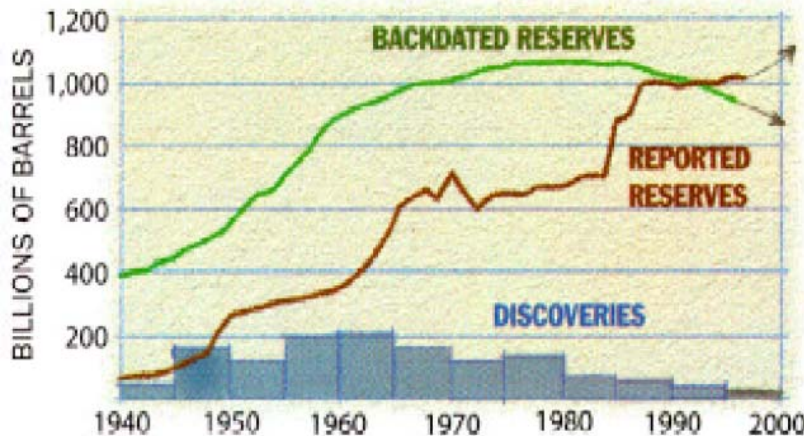
Backdating is reporting to day estimate of 2P field reserves at discovery year.

The discrepancy between **backdated** (green) and **current** (brown) reserves explains why economists do not believe in peak oil. Current reported reserves have been rising since 1950.

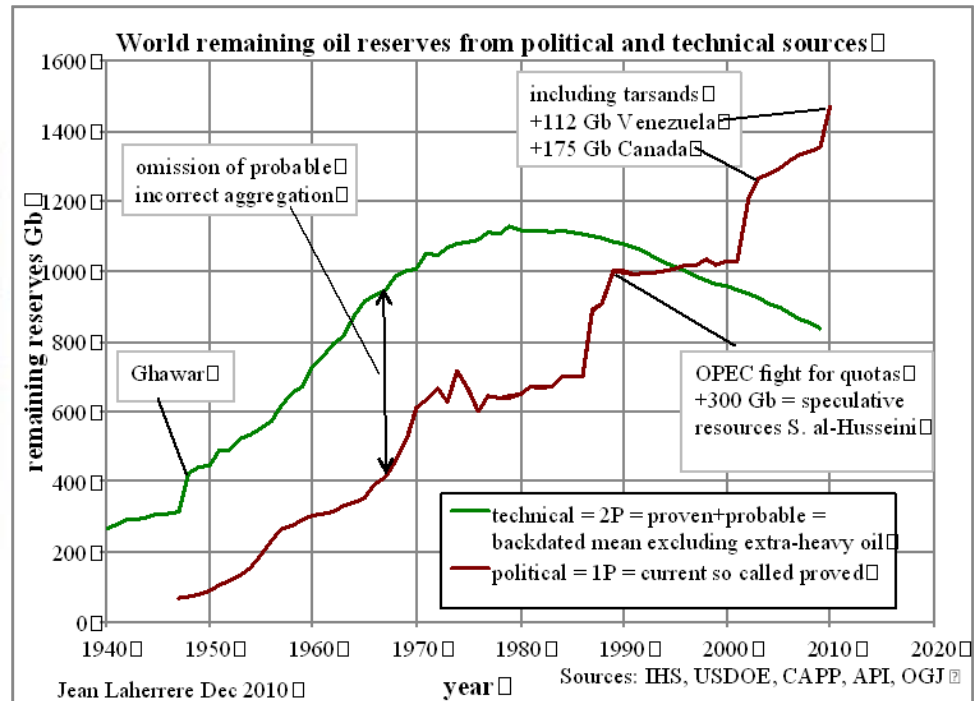
## World Backdated and Current Reported Reserves

-1- Scientific American “The end of cheap oil” 1998

-2- updated at end 2009

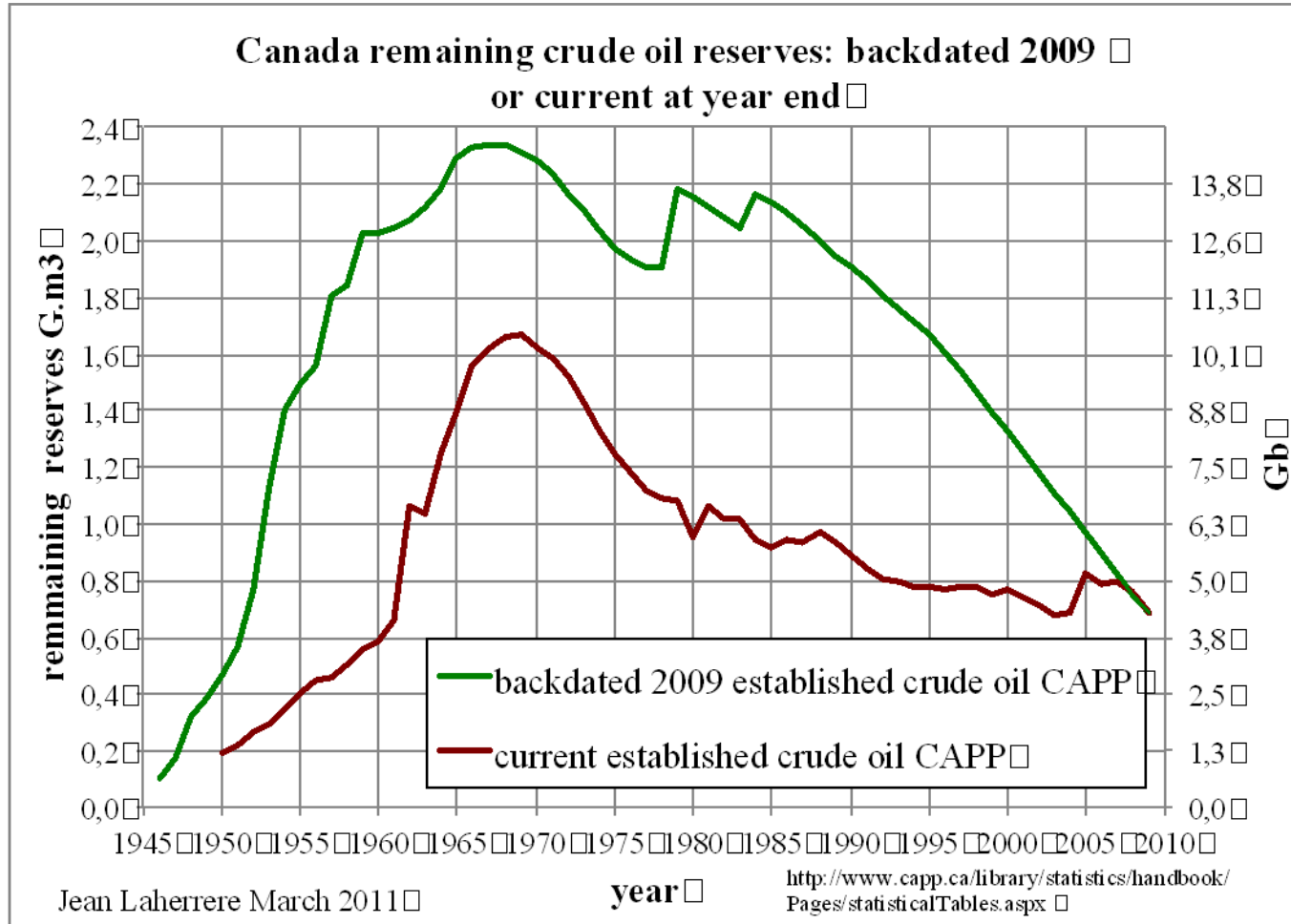


LAURIE GRACE: SOURCE: PETROCONSULTANTS, OIL AND GAS JOURNAL AND U.S. GEOLOGICAL SURVEY



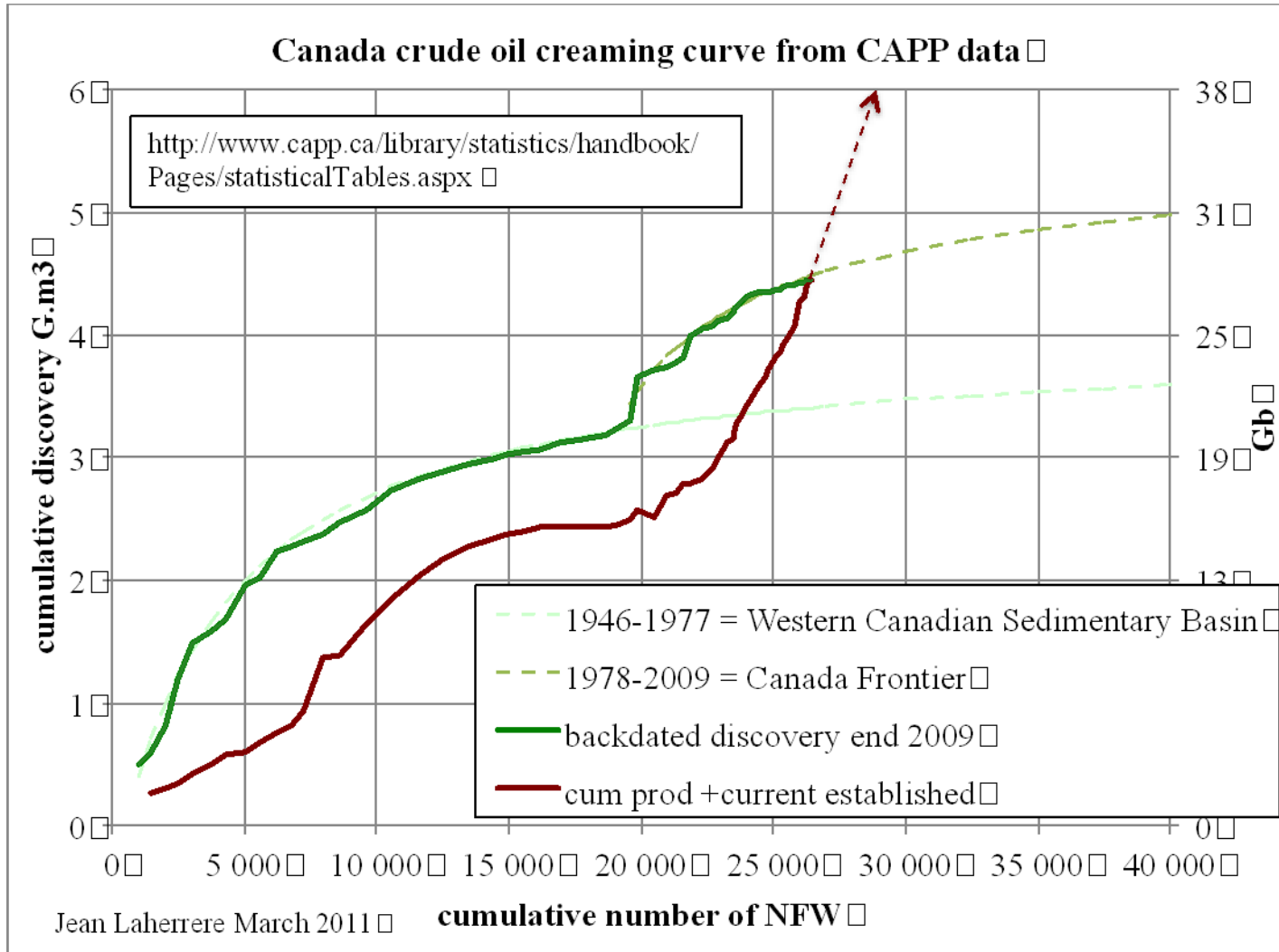
Fortunately the Canadian Association of Petroleum Producers (CAPP) does publish **backdated**, as well as **current, established (proven and probable) reserves**, every year in their Handbook.

### -3-Canada Backdated & Current Established crude oil Reserves from CAPP



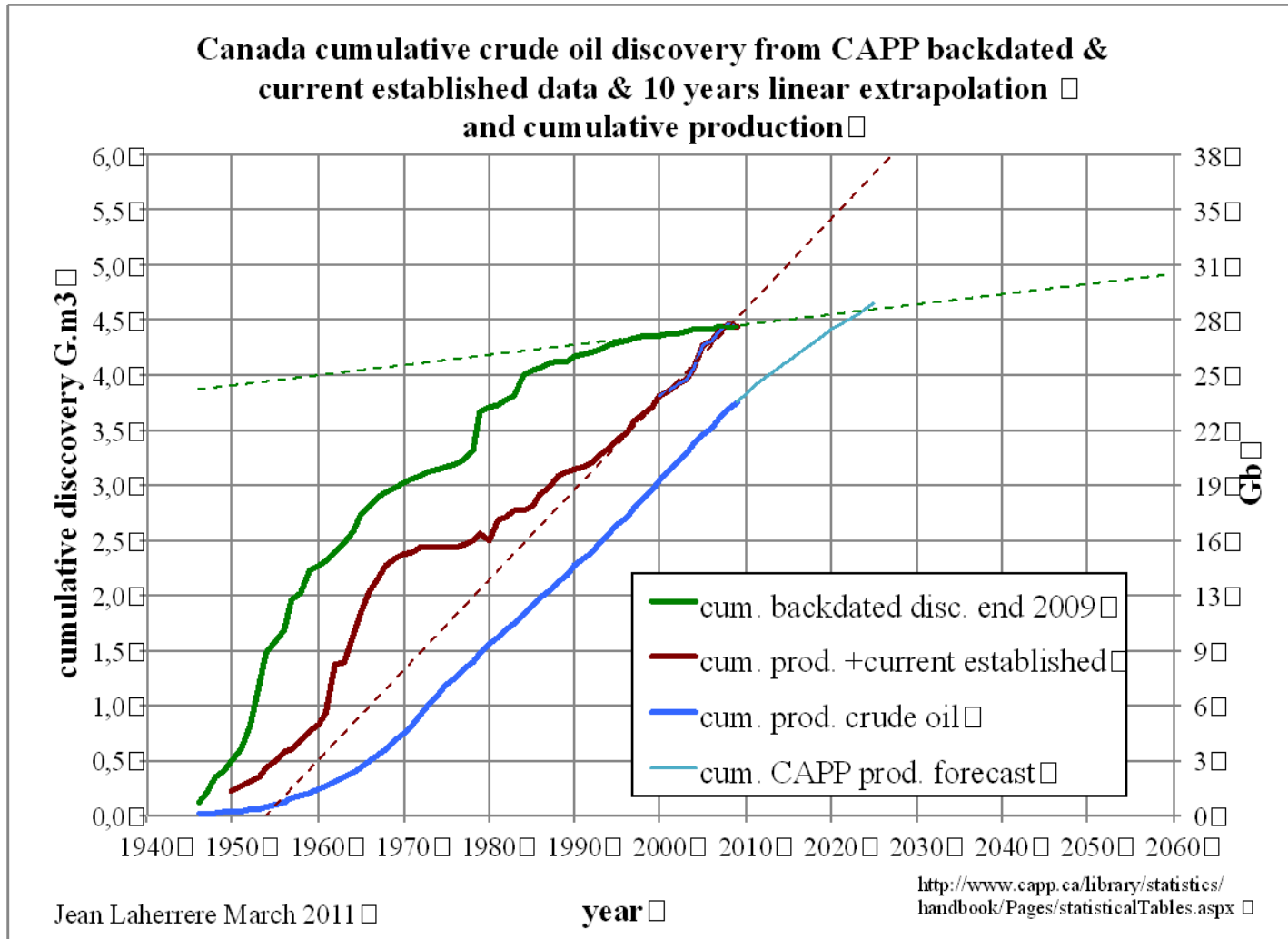
The cumulative production plus established reserves is plotted versus the cumulative number of New Field Wildcat (= **creaming curve**). It is easy to model the backdated plot with two cycles towards an **ultimate of 32 Gb**, when the current plot trends towards the sky!

#### -4-Canada crude oil “Creaming Curve” from CAPP

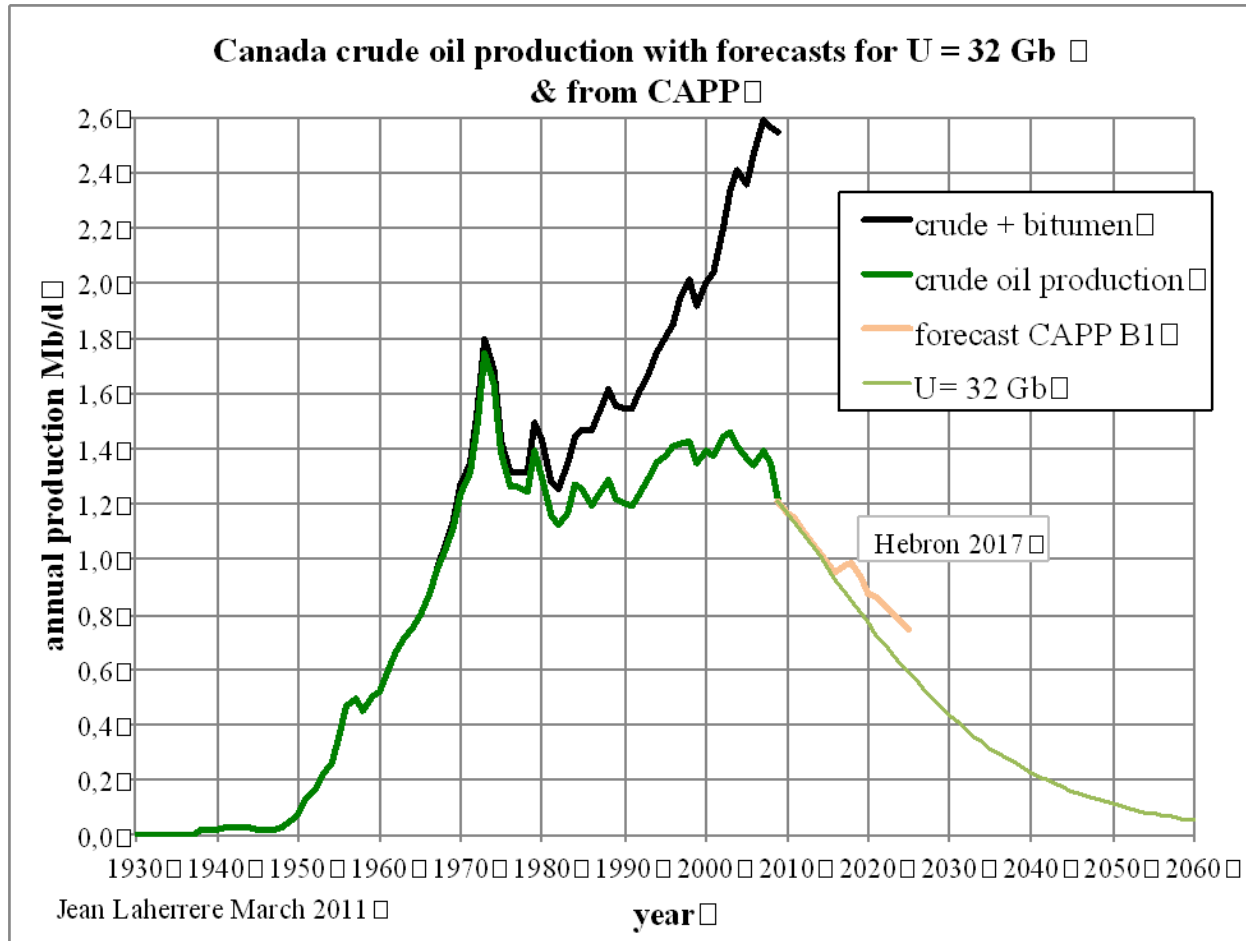


The cumulative discovery versus time can be extrapolated easily with backdated data towards 32 Gb, when current is again going to unrealistic ultimate. The cumulative production (blue) and CAPP forecast confirm the 32 Gb ultimate.

**-5-Canada's cumulative discovery with 10-year linear extrapolation and cumulative production**



Crude oil annual production is modelled with 32 Gb ultimate. Bitumen is also plotted  
 -6-Canada crude oil annual production 1930-2060 & CAPP forecast 2005-2025



- Canada, thanks to the CAPP, provides the best example of continuous and homogeneous reserves data reporting, and shows, without any doubt, that **using backdated reserves is the best approach for extrapolation to estimate the ultimate reserves.**
- Let us try to convince other countries to follow the example of Canada.