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> Crisis > The 2007-09 Crisis

- ★ In the years before 2007 several new unregulated shadow banks had appeared those institutions started offering some new "innovative" financial products
- * One of those was to *package together* high-risk mortgage loans:
 - When you lend \$1,000 at 5% to a single debtor with 2% risk of default, you face <u>98% probability to earn \$50</u> and <u>2% probability of losing \$1,000</u>
 - When you loan \$1 at 5% to 1,000 debtors with each 2% risk of default, it is <u>almost certain that you will earn around \$29</u>.
- * This works great but it has 3 important limitations:
 - 1. The law of averages applies only in normal times
 - 2. The "feeling of false safety" made banks to neglect proper due diligence
 - 3. The over-supply of loans led the housing market to a *speculative bubble*

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History repeats itself
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In the first sight of recession, mortgage defaults snowballed many banks had invested heavily in such MBS and could not survive the losses

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> Crisis > The Greek Crisis

- ★ Government and the Fed came to an ethical dilemma: have taxpayers cover the losses or let the economy sink?
- ***** The 2007-09 crisis was basically a *repetition* of the Great Depression:
 - ▶ In the Great Depression the bubble was the stock market
 - In the <u>2007-09 Crisis</u> the bubble was the housing market.
- * Both happened because of *regulation gaps* in the financial markets
- * The 2007-09 Crisis, however, *lasted way less* because it was extinguished successfully with *expansionary policy*

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The Greek Debt Crisis 2008 – today

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- * The Greek crisis was a *national debt* crisis
- During the <u>80s and 90s</u> Greece was running on deficits mainly *financed with seignorage*
- * In 2002 the country entered the *Eurozone* as a founding member:
 - Greece could no more fund its deficits by printing money
 - ▶ But it could finance its spending with *cheap loans* in its new currency.
- * While the country was living lavishly on loans, *debt kept piling up*
- * By 2008 Greece had an official debt / GDP ratio at 115%

in *reality* it was 127%

* At the same time, global financial crisis, made investors overly averse to risk

Lecture 10

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The weak link

- Within months *interest rates* for Greek bonds exploded to 30%! all outstanding Greek securities were *rated as "trash"*
- * Greece was in the *middle of a deep recession* with *nothing* to fight it:
 - ▶ Monetary policy was in the hands of the ECB
 - The government had no money to conduct fiscal policy.
- ★ The IMF, the ECB and the European Commission *bailed out* urgent loans under 2 *conditions*: <u>severe austerity</u> and <u>drastic reforms</u>
- ★ Within 10 years: <u>GDP</u> fell by 30%, <u>unemployment</u> exceeded 25%, <u>infrastructure</u> deteriorated, <u>6 governments</u> were changed the nation's *morale* collapsed

* Today, Greece has turned back to a *catch-up economy*





WARNING! •

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