



Growth accounting in Sweden

WordKLEMS II 10-08-2012

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What I am going to talk about

- What we have done and what we plan to do
- Results
 - Labour composition
 - Industry differences for the whole period
 - The average for all industries and goods and service industries





That we have done so far

- The data we have in the new industry classification;
 - Gross production
 - Value added
 - Worked hour
 - Labour quality
 - Capital services
 - Preliminary years
- Constructed data
 - The split into ICT and Non ICT (Hardware)
CapitalServices





That we plan to do

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Develop the split of;

- ICT Capital services
- Non ICT Capital Services

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- Development of the preliminary industry estimates





Some results

- Labour composition
- Industry difference for the whole period 1993-2011
- Development for the Business sector





Labour composition

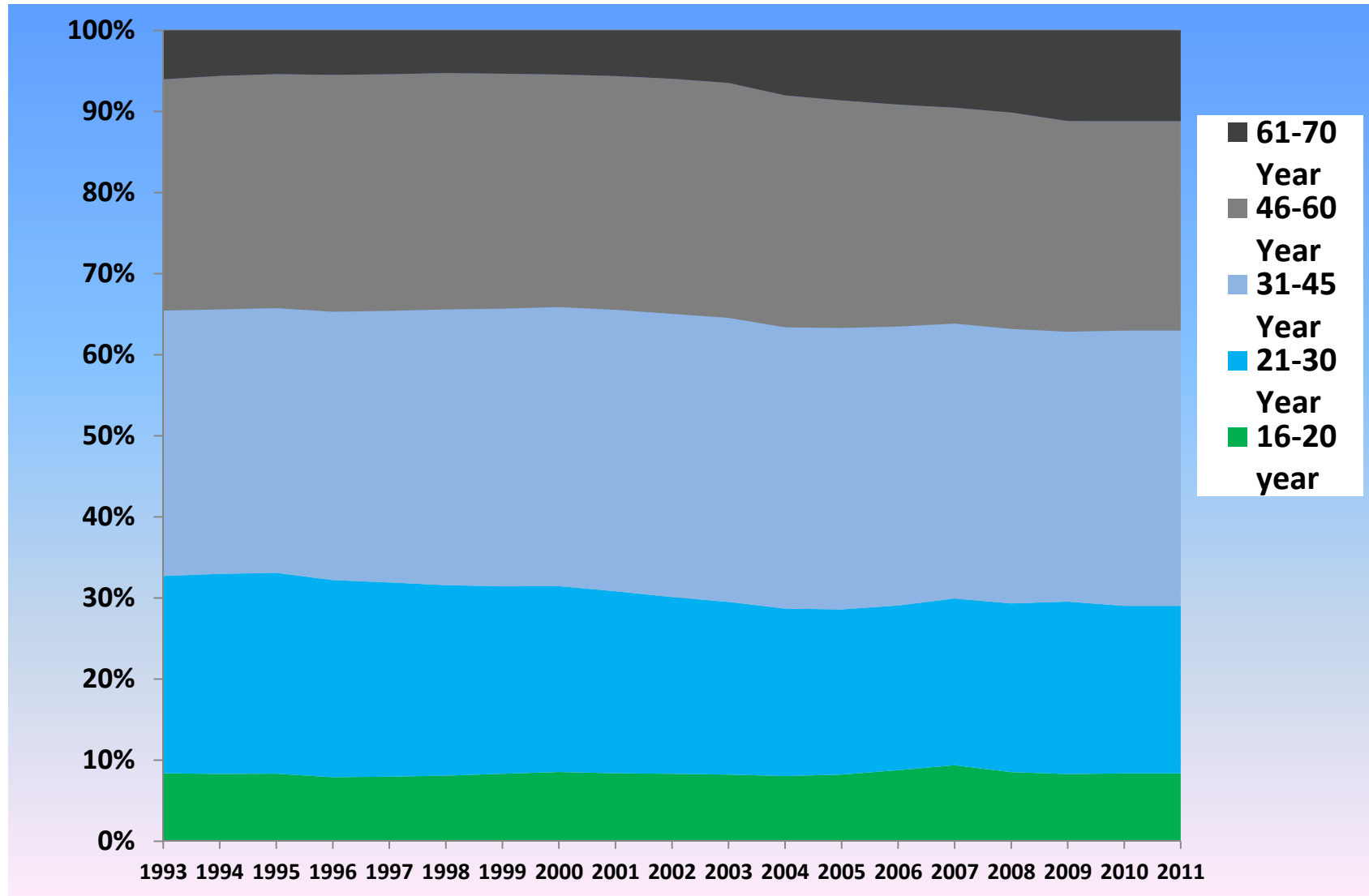
- How the market value those who work in the private sector
 - Age
 - Ethnicity
 - Educational level
 - Educational orientation
- However not two sexes





Labour input 1993-2011: Age distribution

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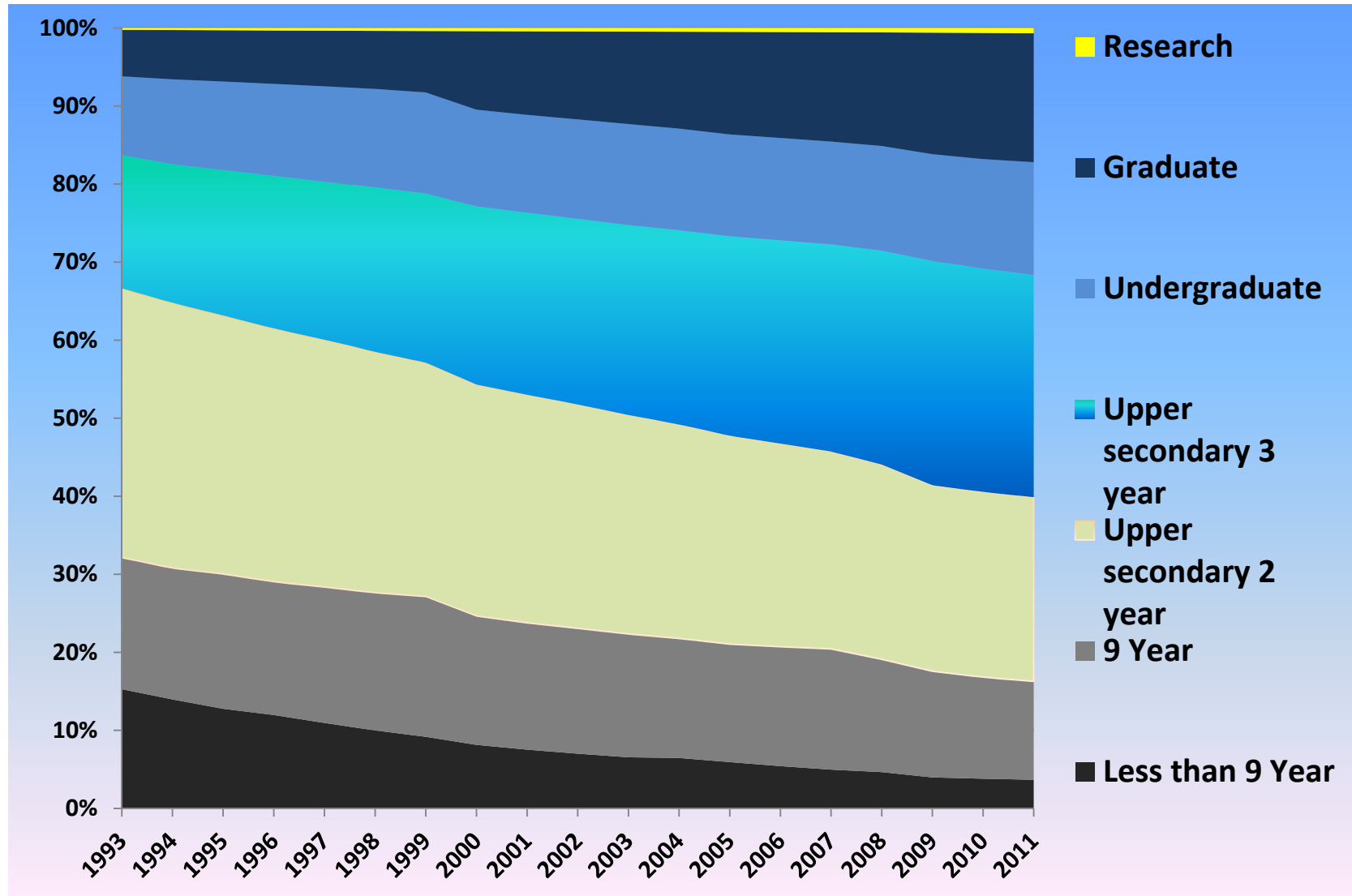




Labour input 1993-2011

Education distribution

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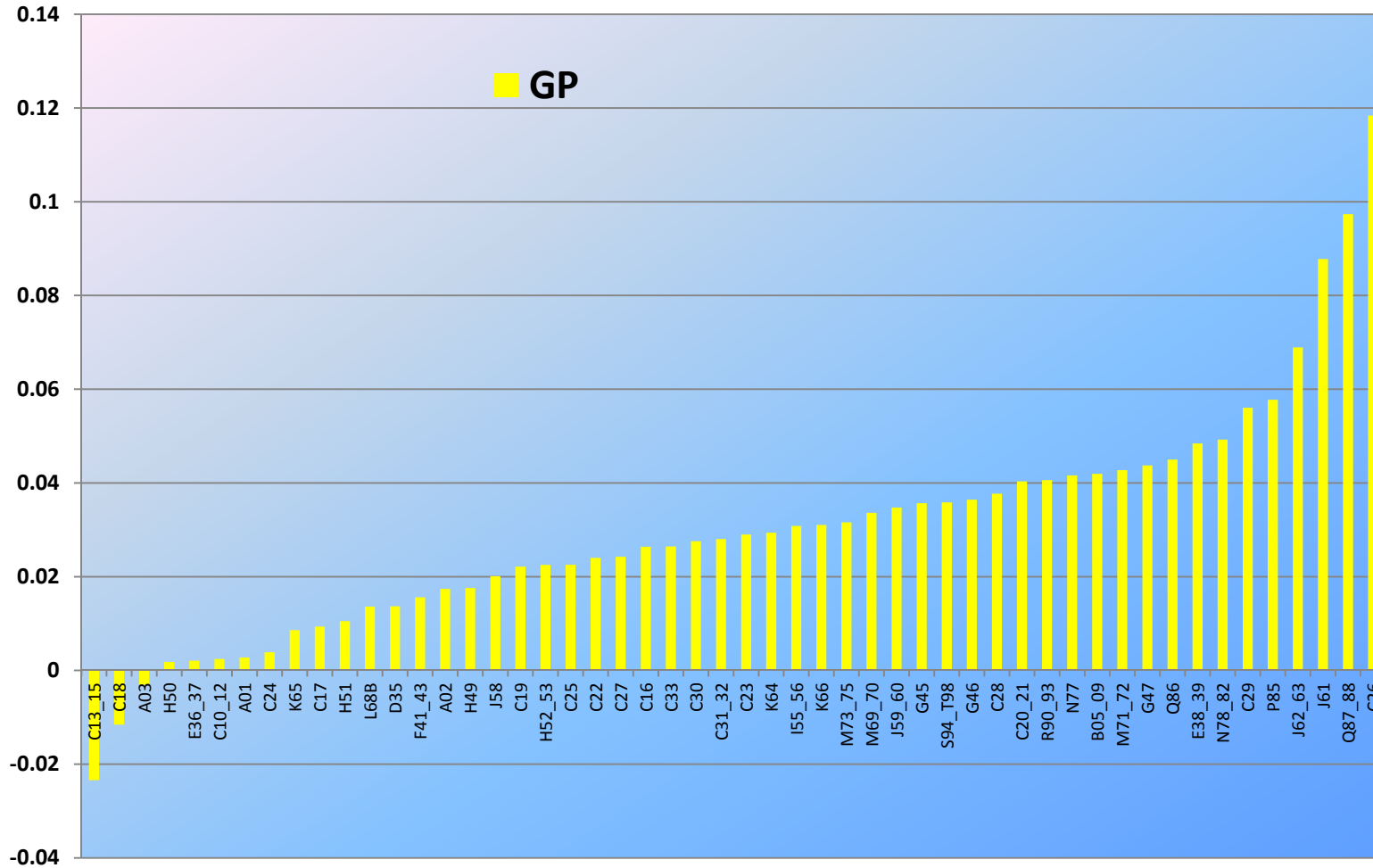
Cross section results





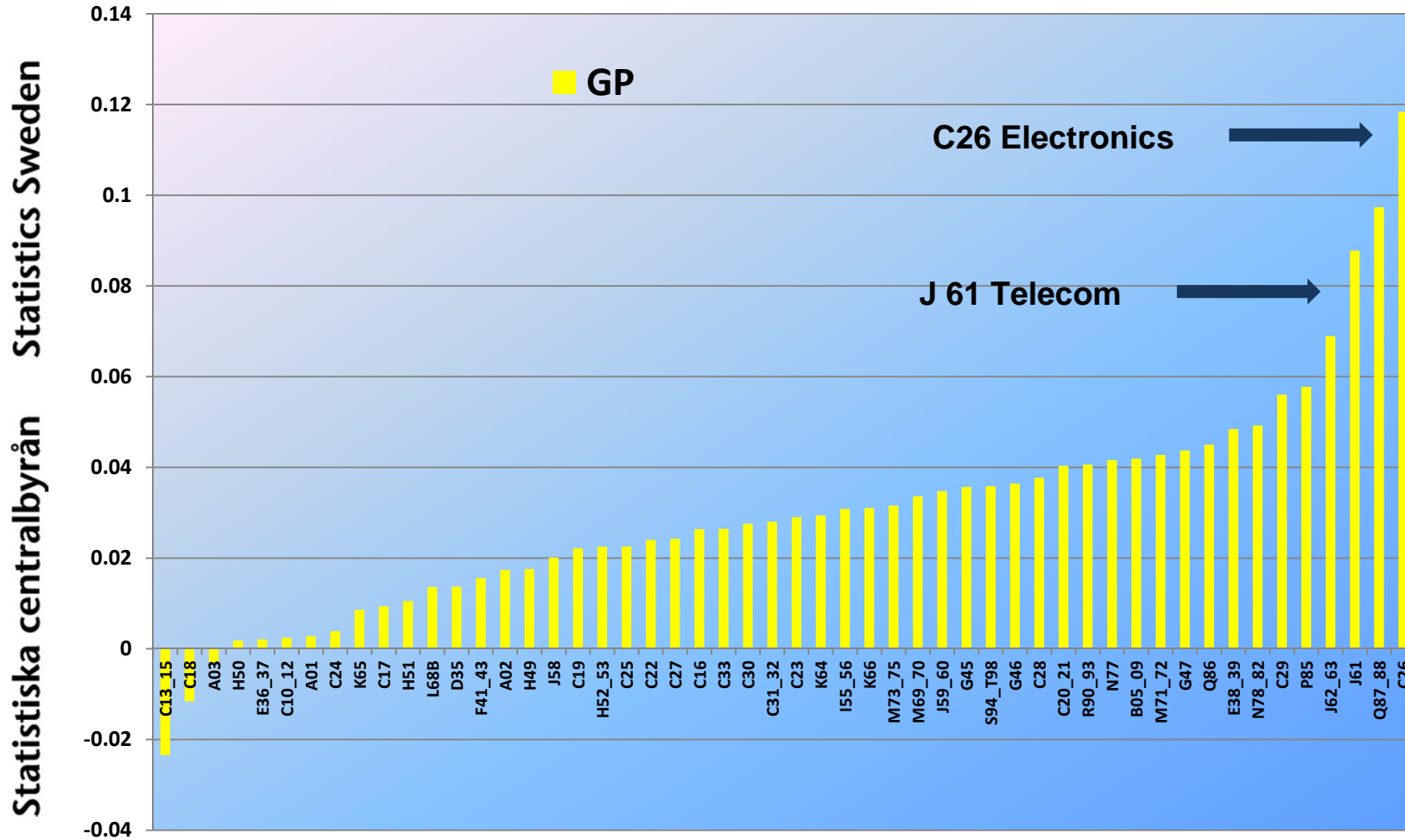
GP average yearly growth rate 1993-2011 Industry differences

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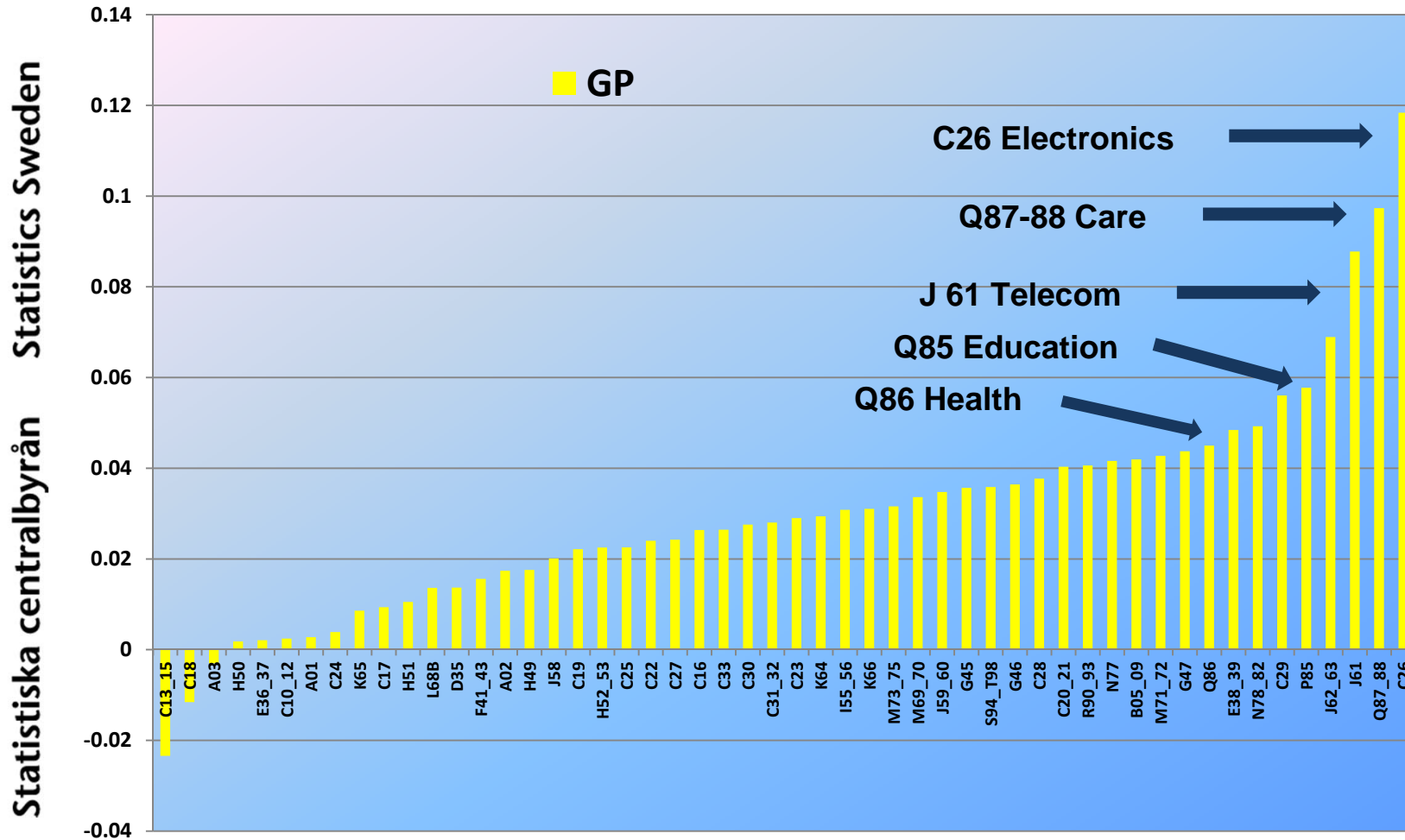


GP average yearly growth rate 1993-2011 Industry differences





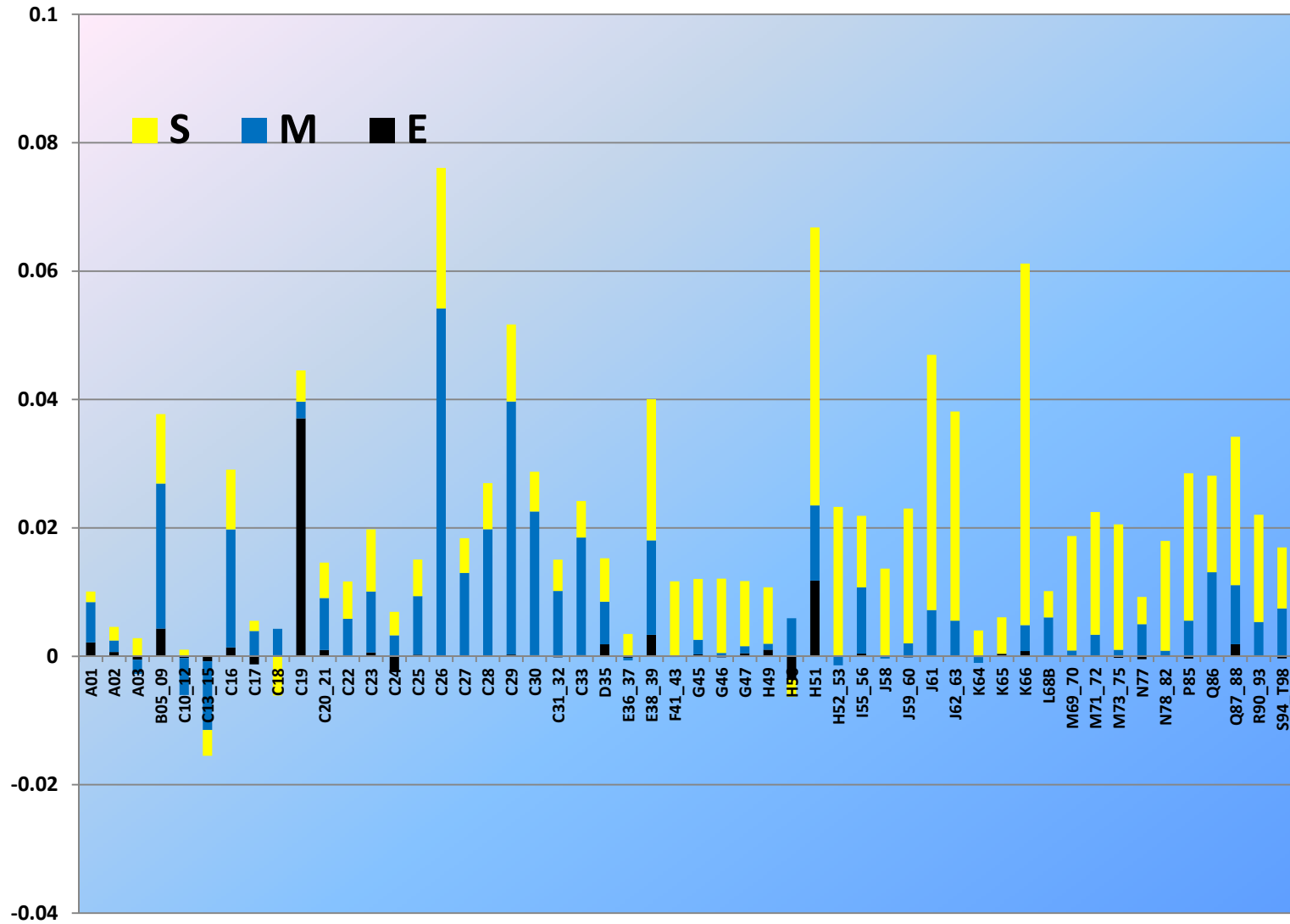
GP average yearly growth rate 1993-2011 Industry differences





E, M and S contribution to GP growth, average yearly growth rate 1993-2011

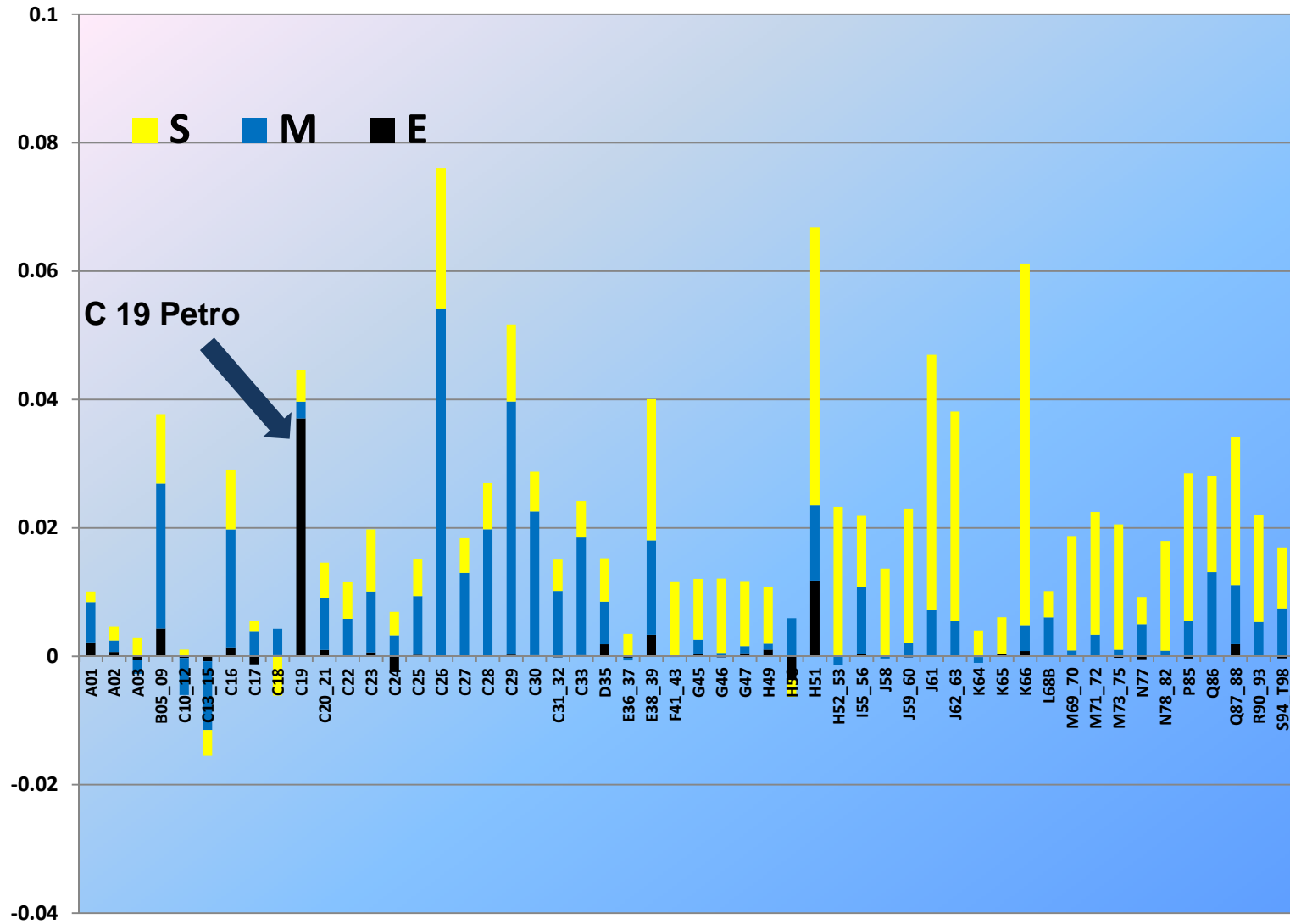
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E, M and S contribution to GP growth, average yearly growth rate 1993-2011

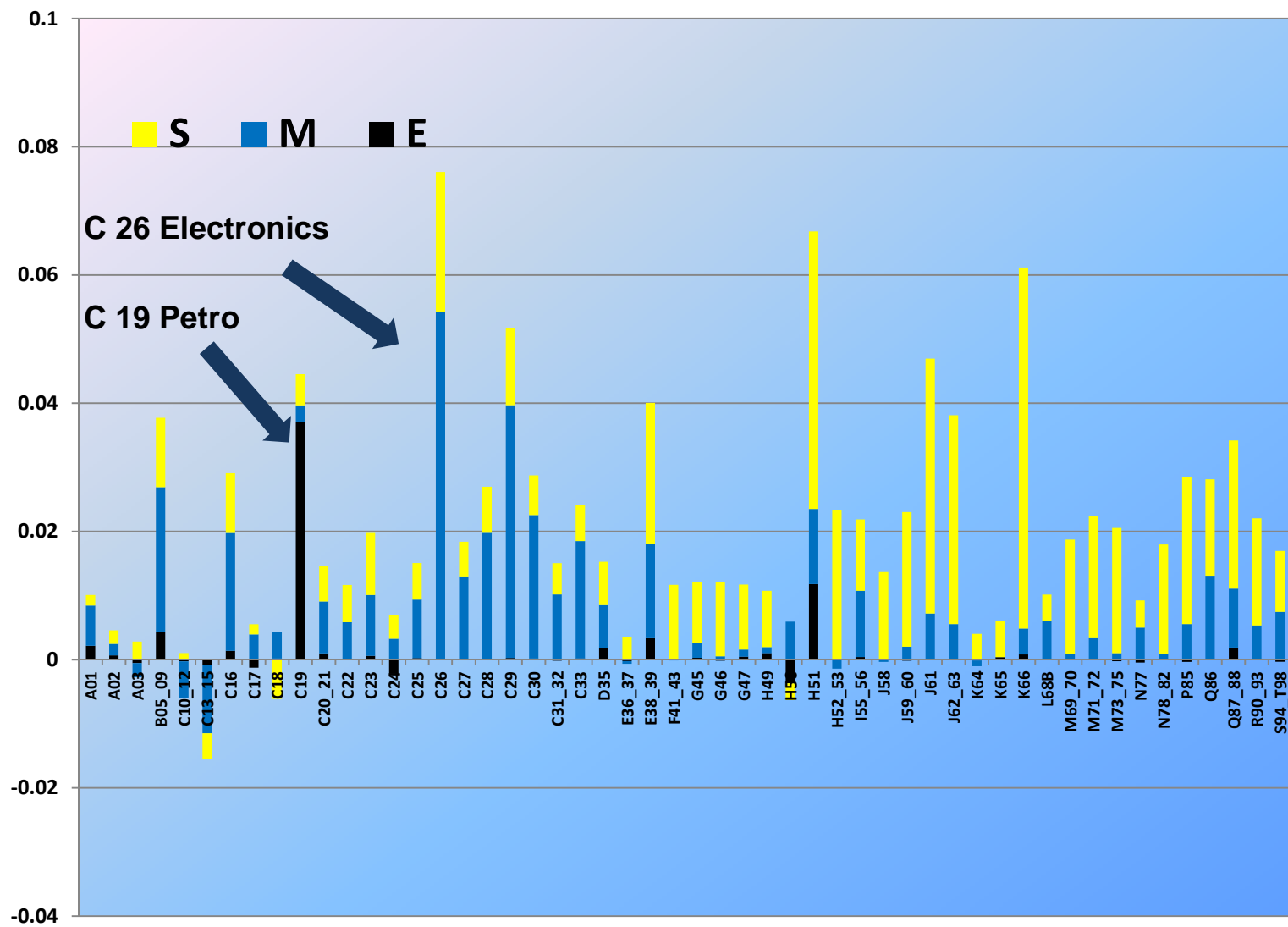
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E, M and S contribution to GP growth, average yearly growth rate 1993-2011

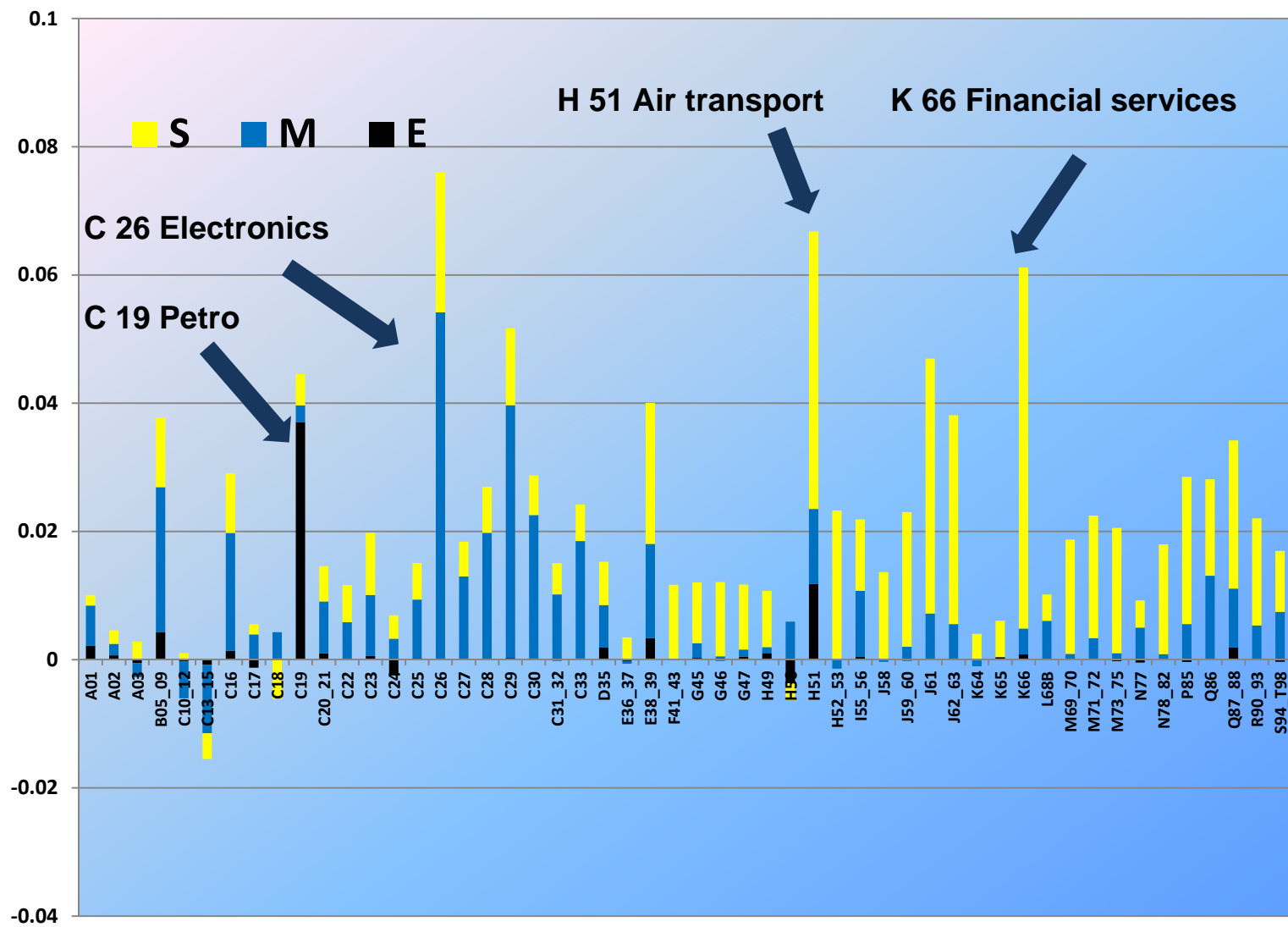
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E, M and S contribution to GP growth, average yearly growth rate 1993-2011

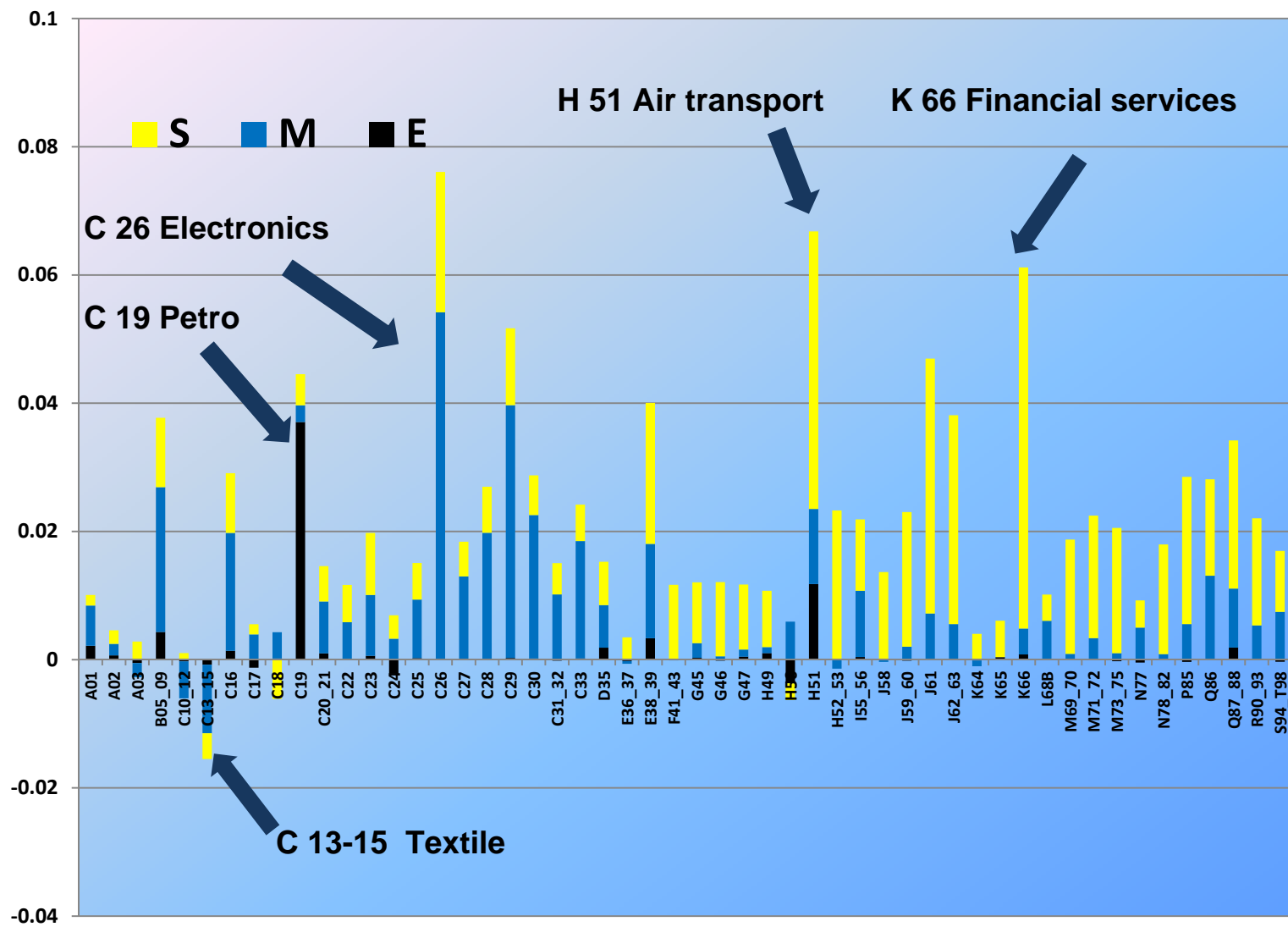
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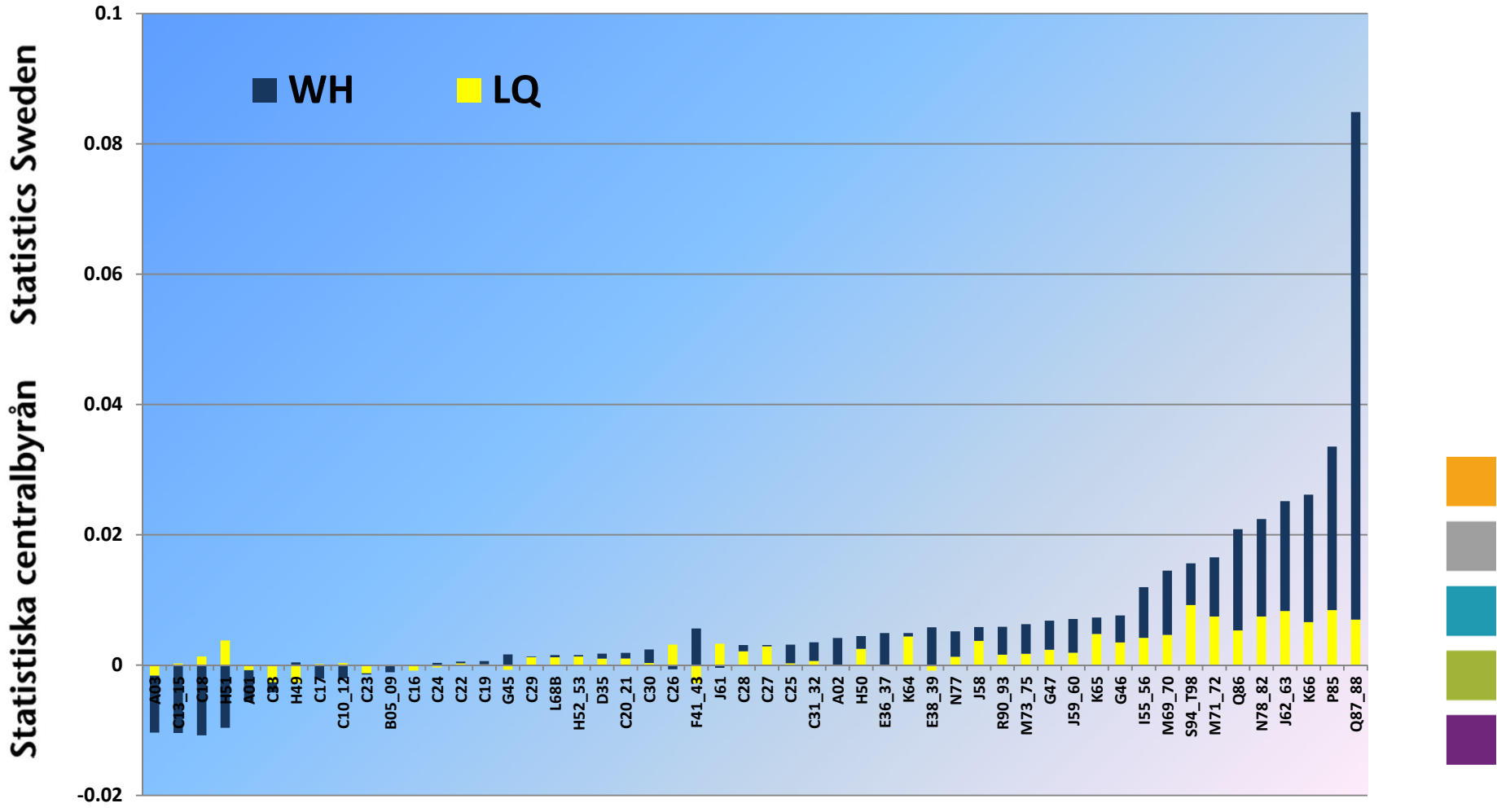
E, M and S contribution to GP growth, average yearly growth rate 1993-2011

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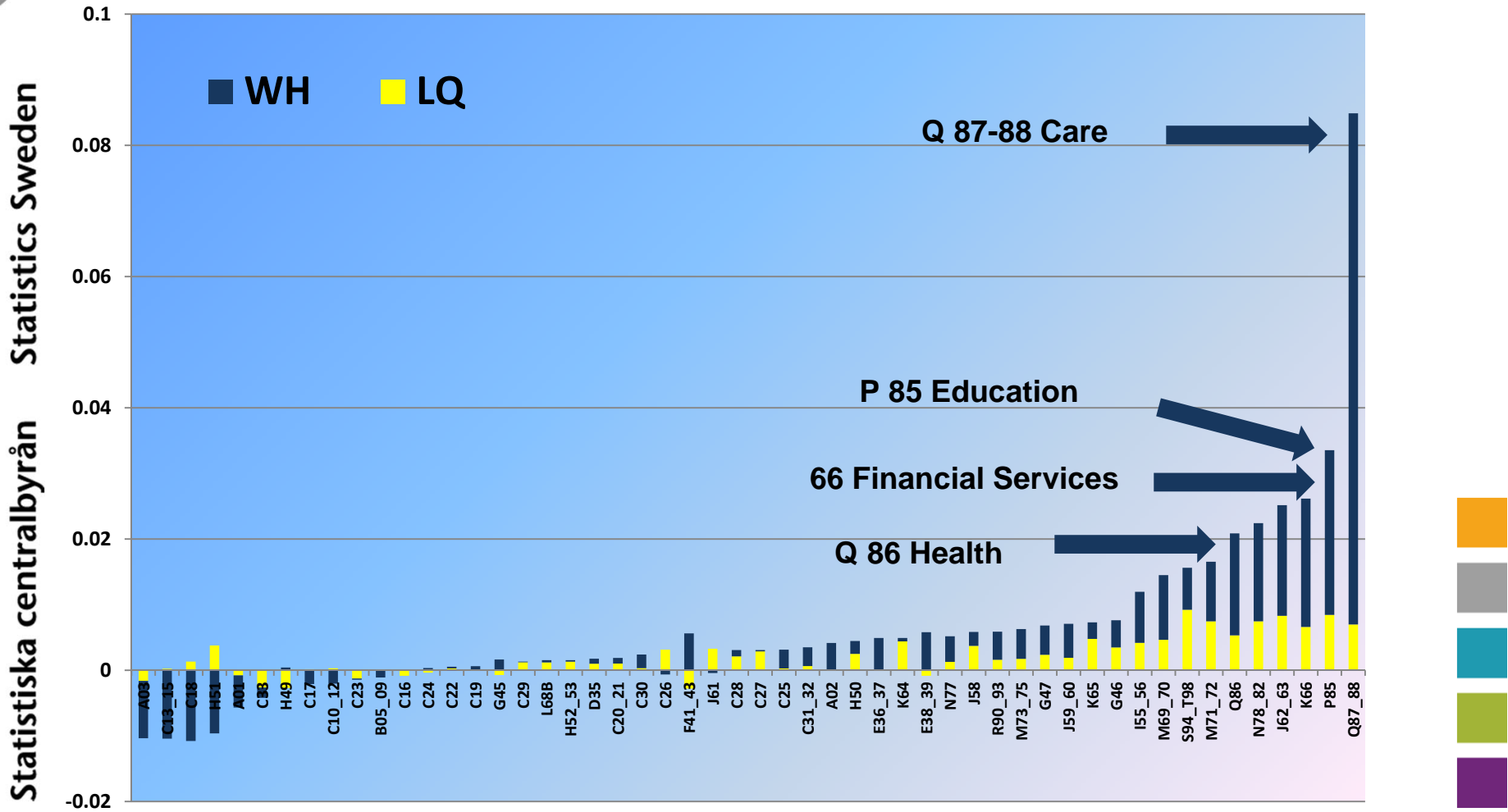


Labour contribution to GP growth, average yearly growth rate 1993-2011



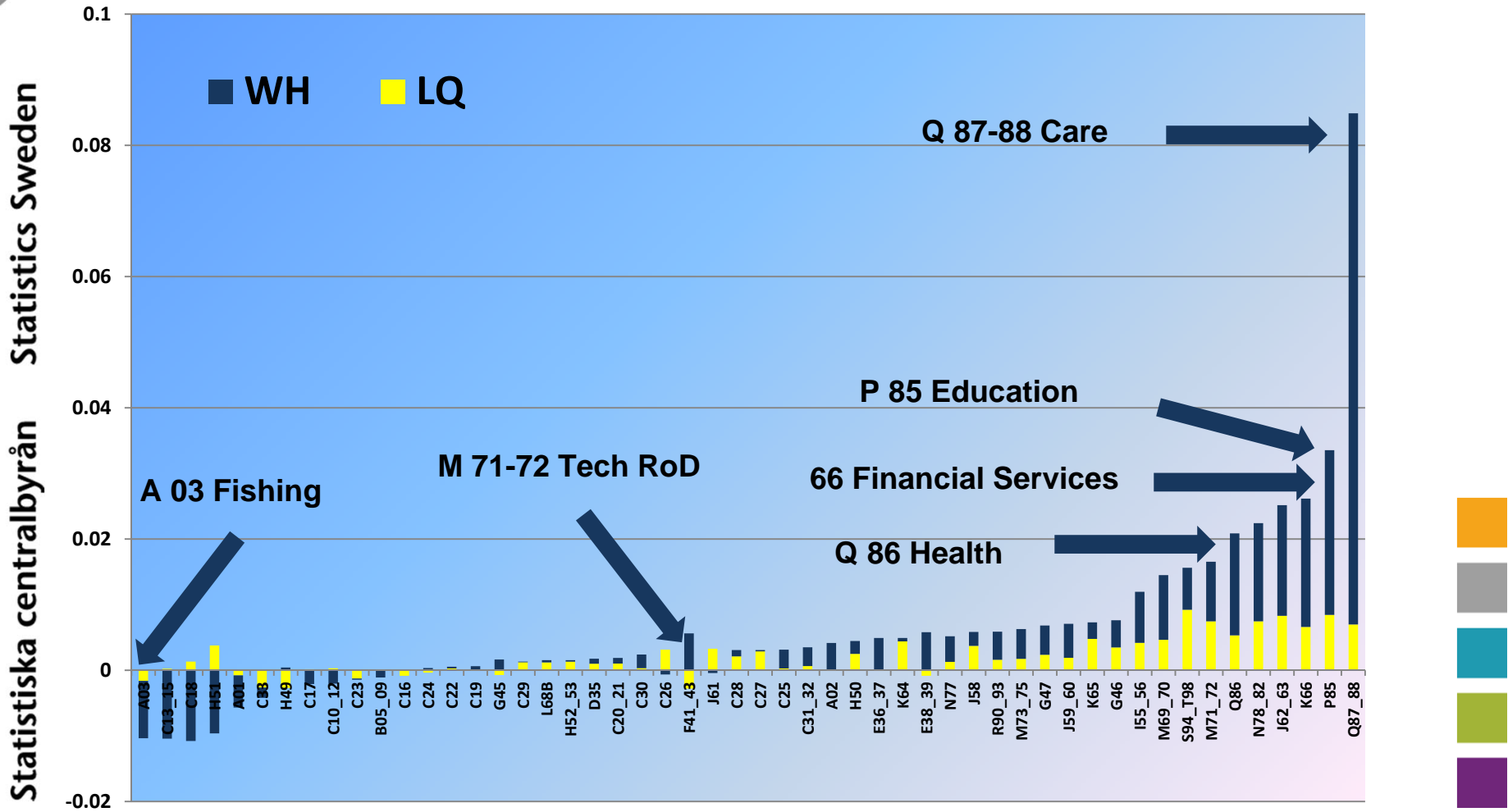


Labour contribution to GP growth, average yearly growth rate 1993-2011



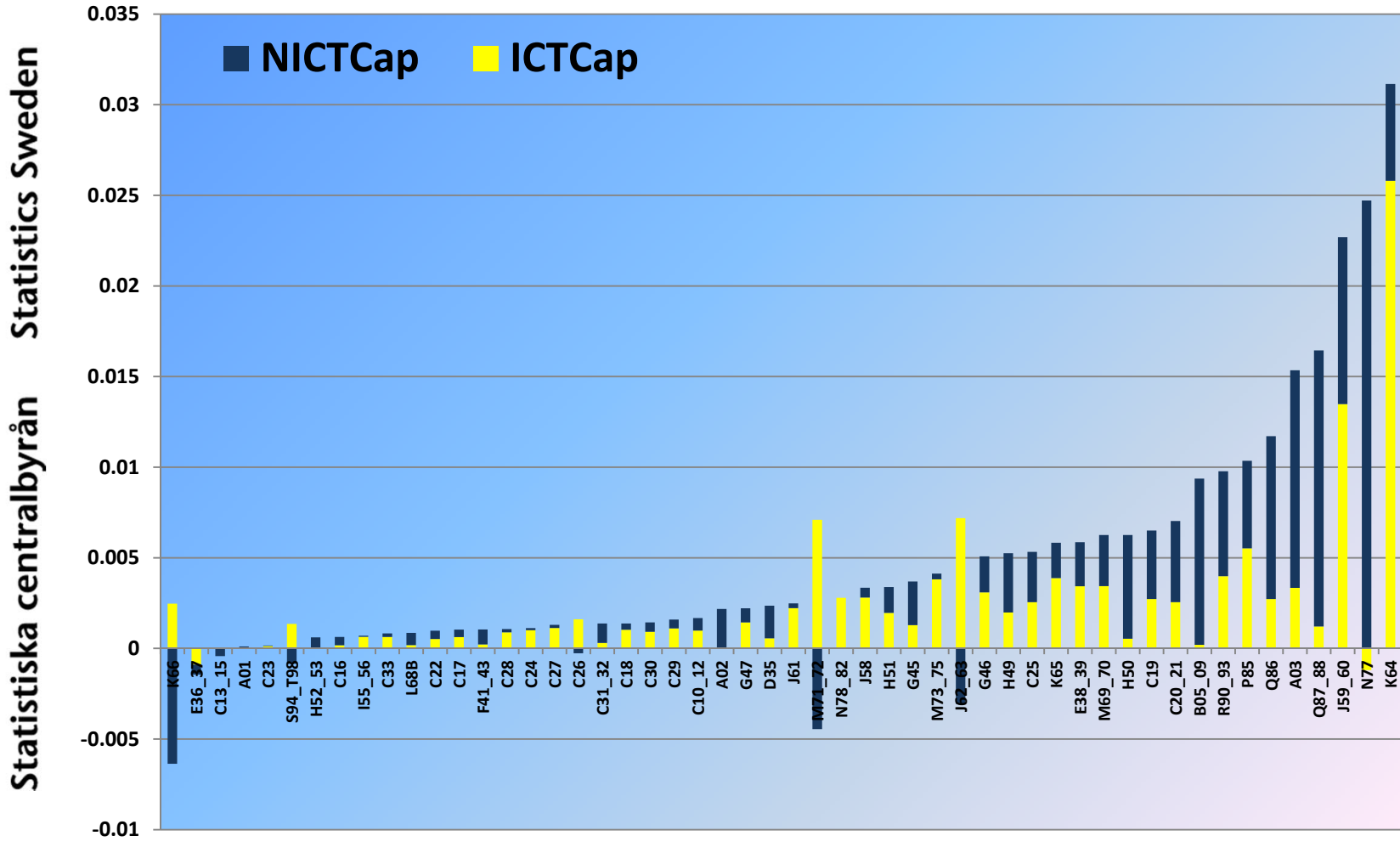


Labour contribution to GP growth, average yearly growth rate 1993-2011





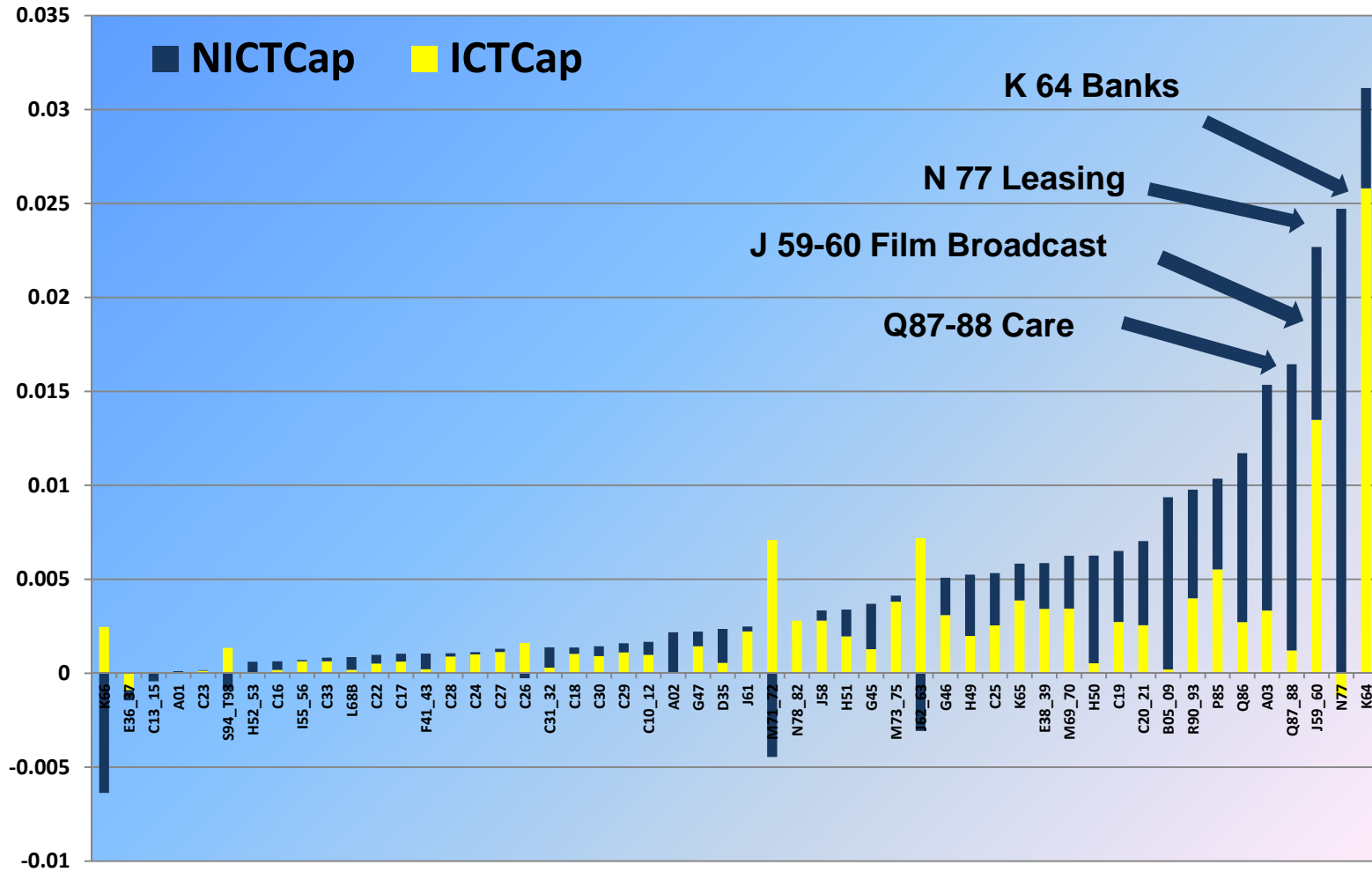
Capital contribution to GP growth, average yearly growth rate 1993-2010





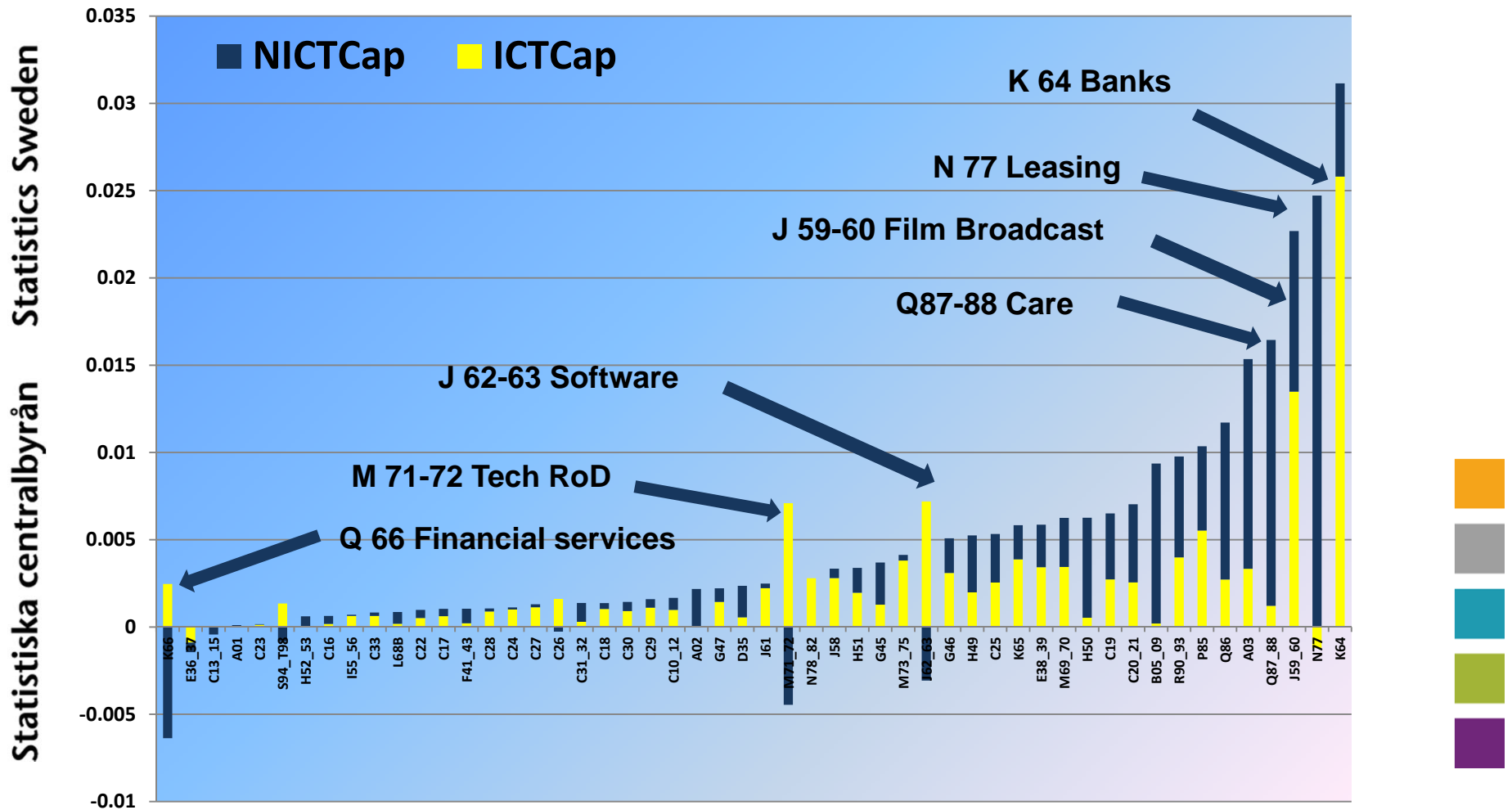
Capital contribution to GP growth, average yearly growth rate 1993-2010

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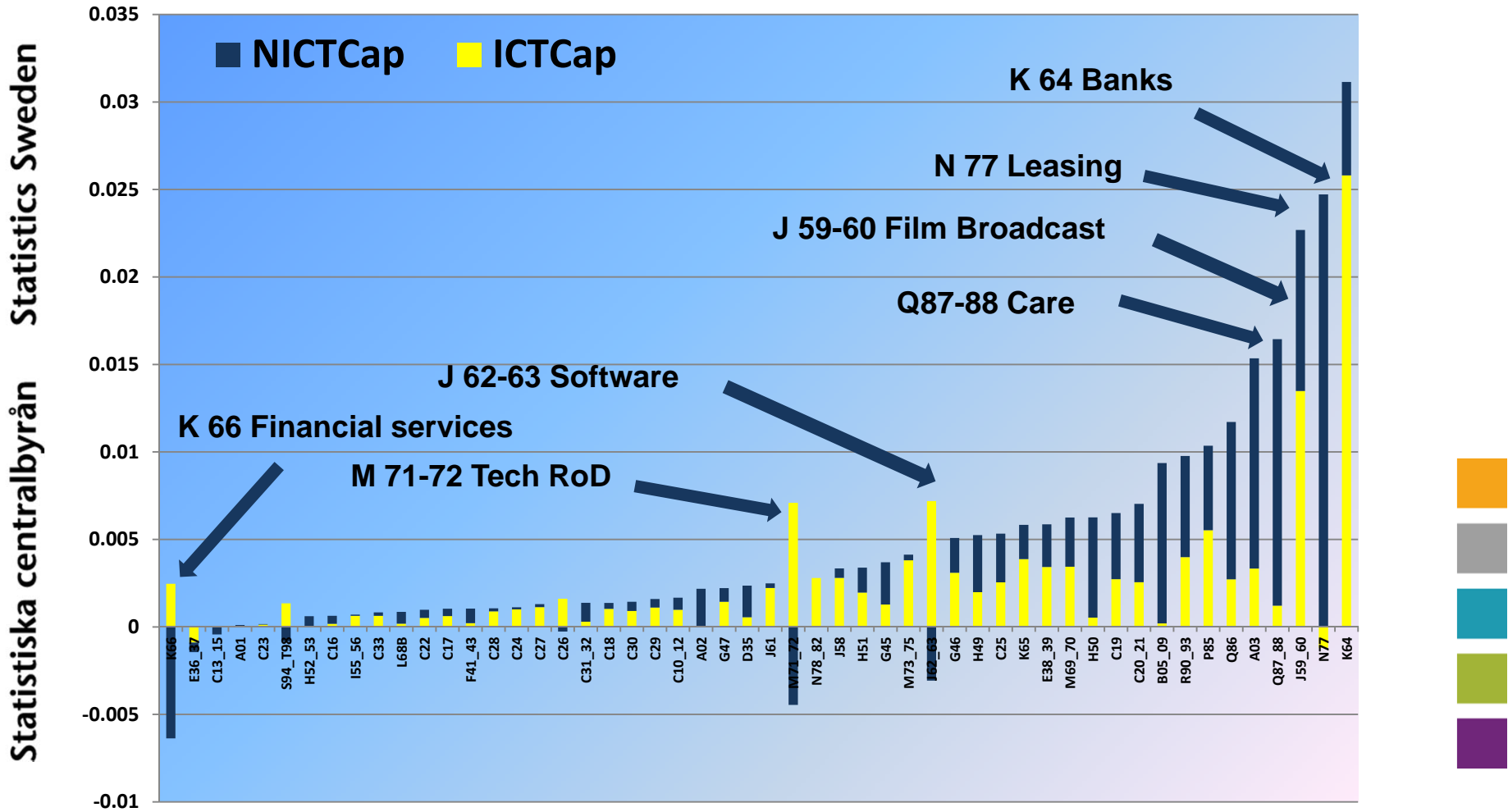


Capital contribution to GP growth, average yearly growth rate 1993-2010





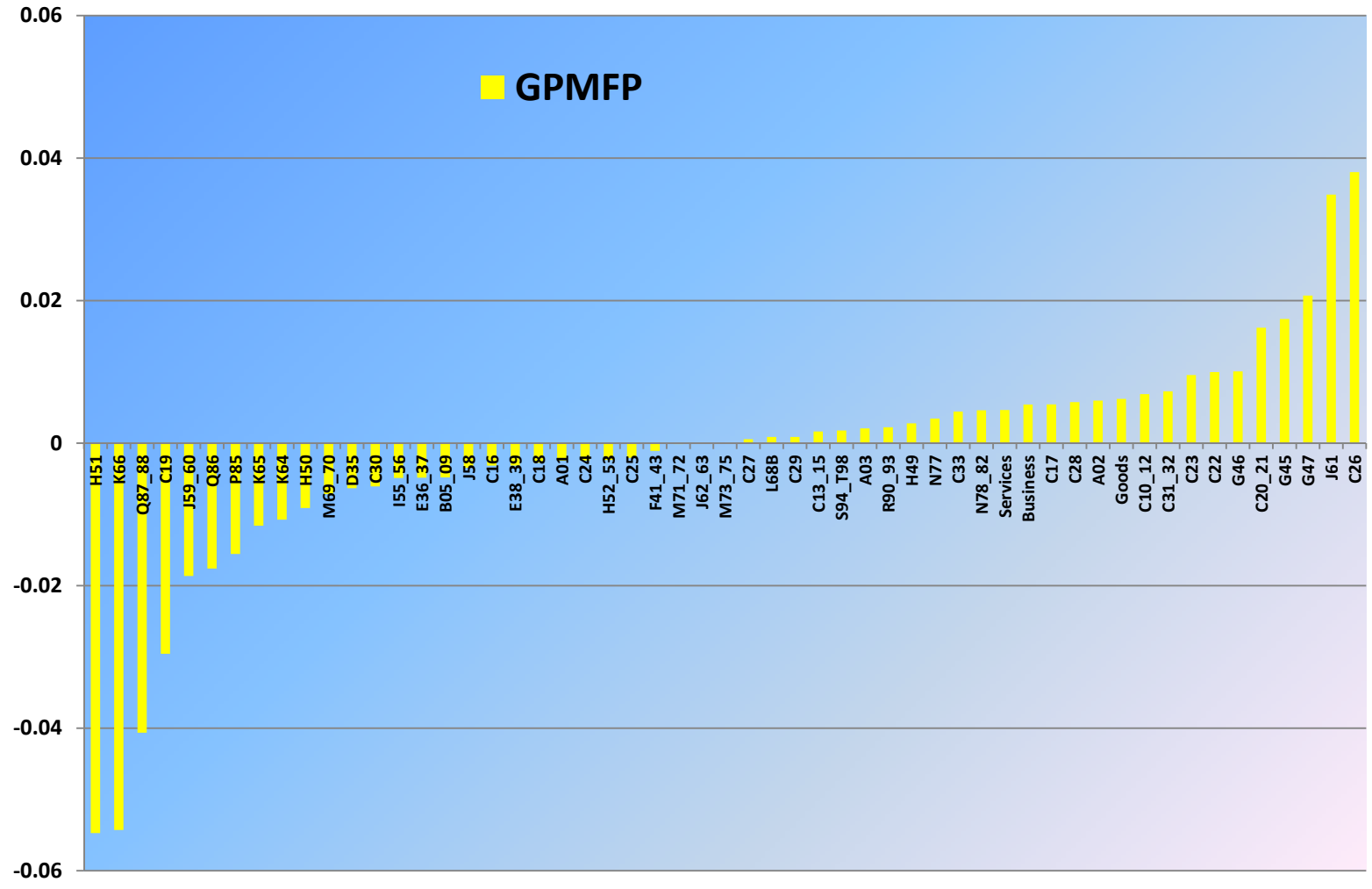
Capital contribution to GP growth, average yearly growth rate 1993-2010





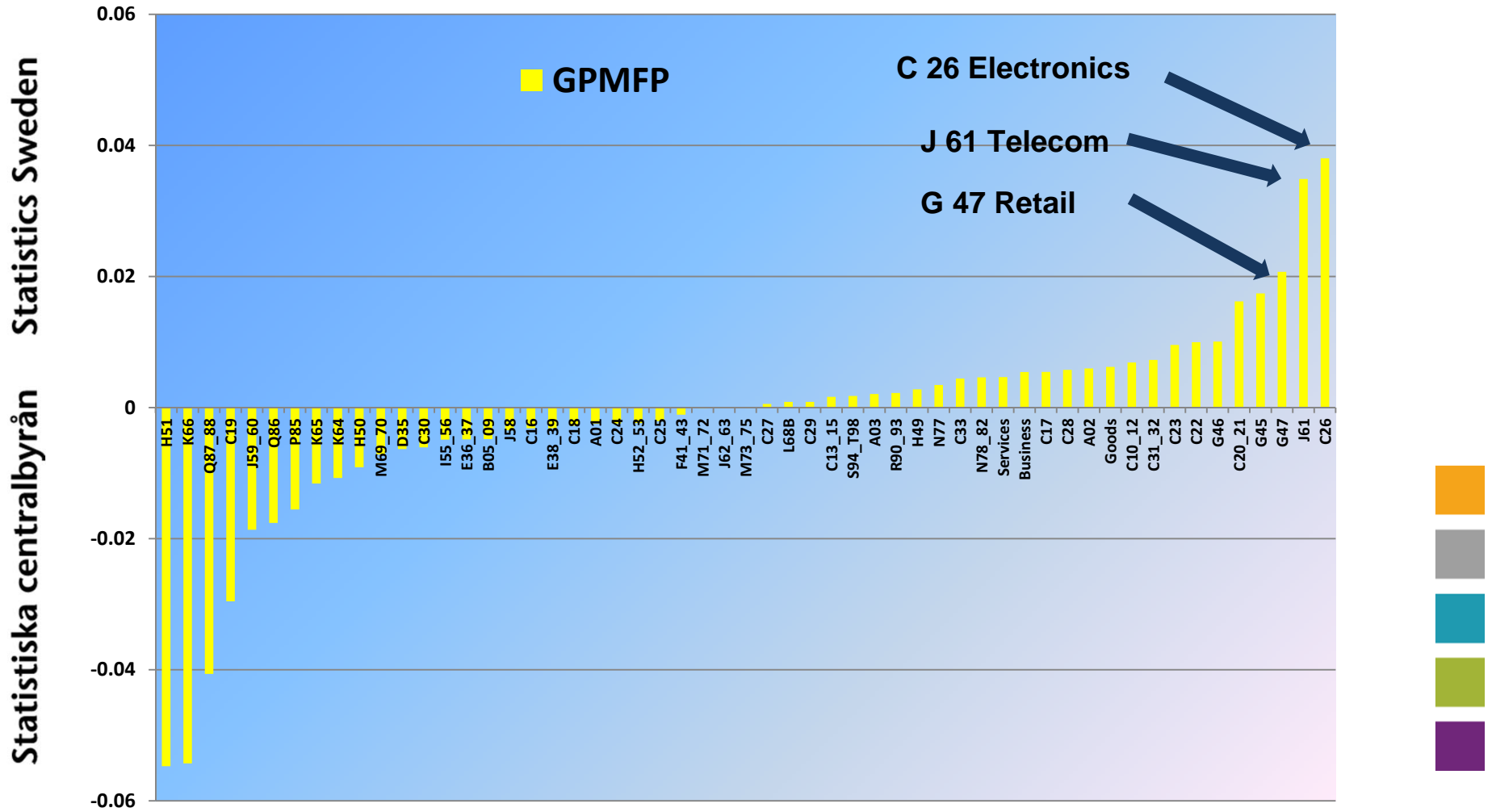
GPMFP average yearly growth rate 1993-2011 Industry differences

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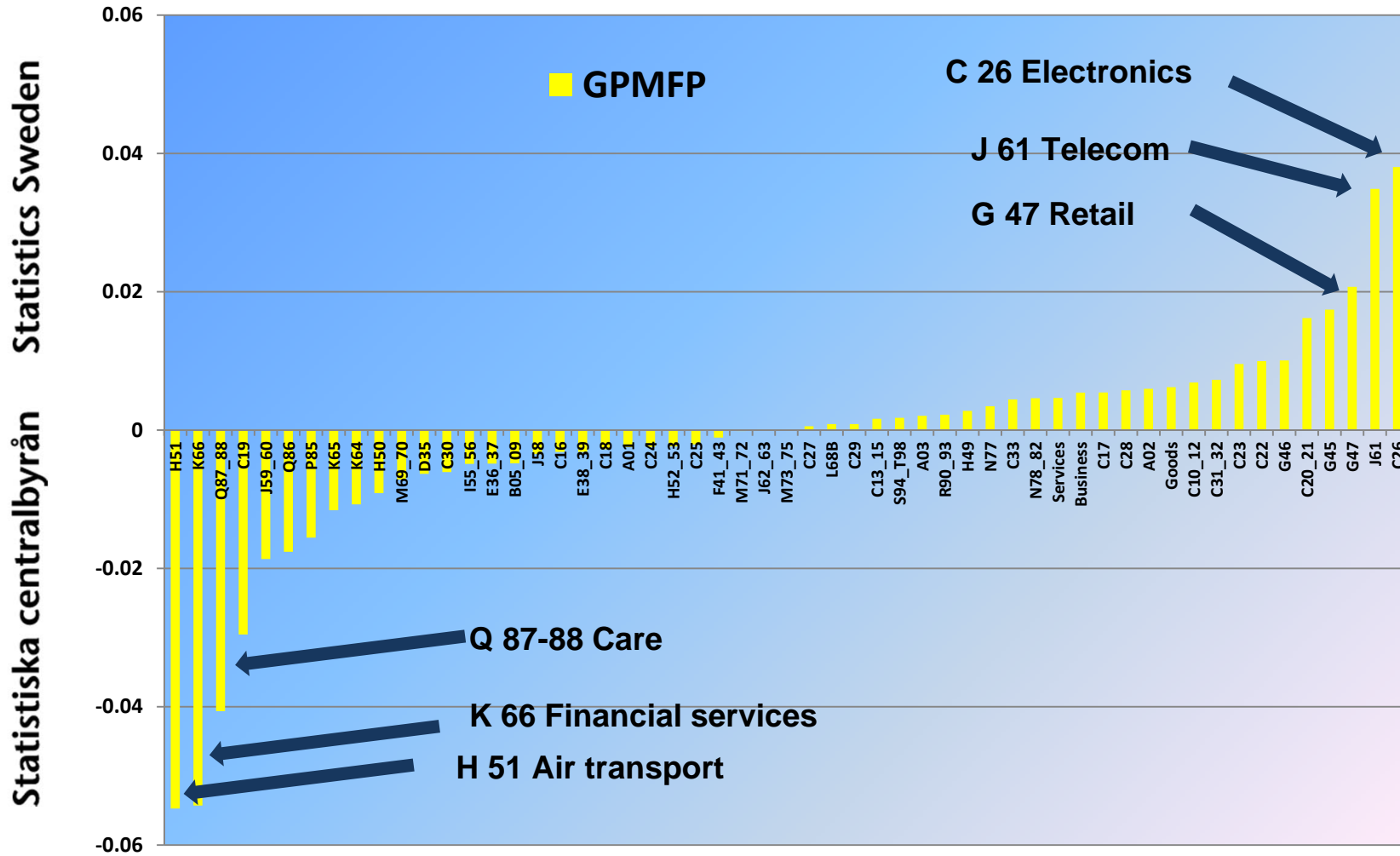


GPMFP average yearly growth rate 1993-2011 Industry differences





GP average yearly growth rate 1993-2011 Industry differences





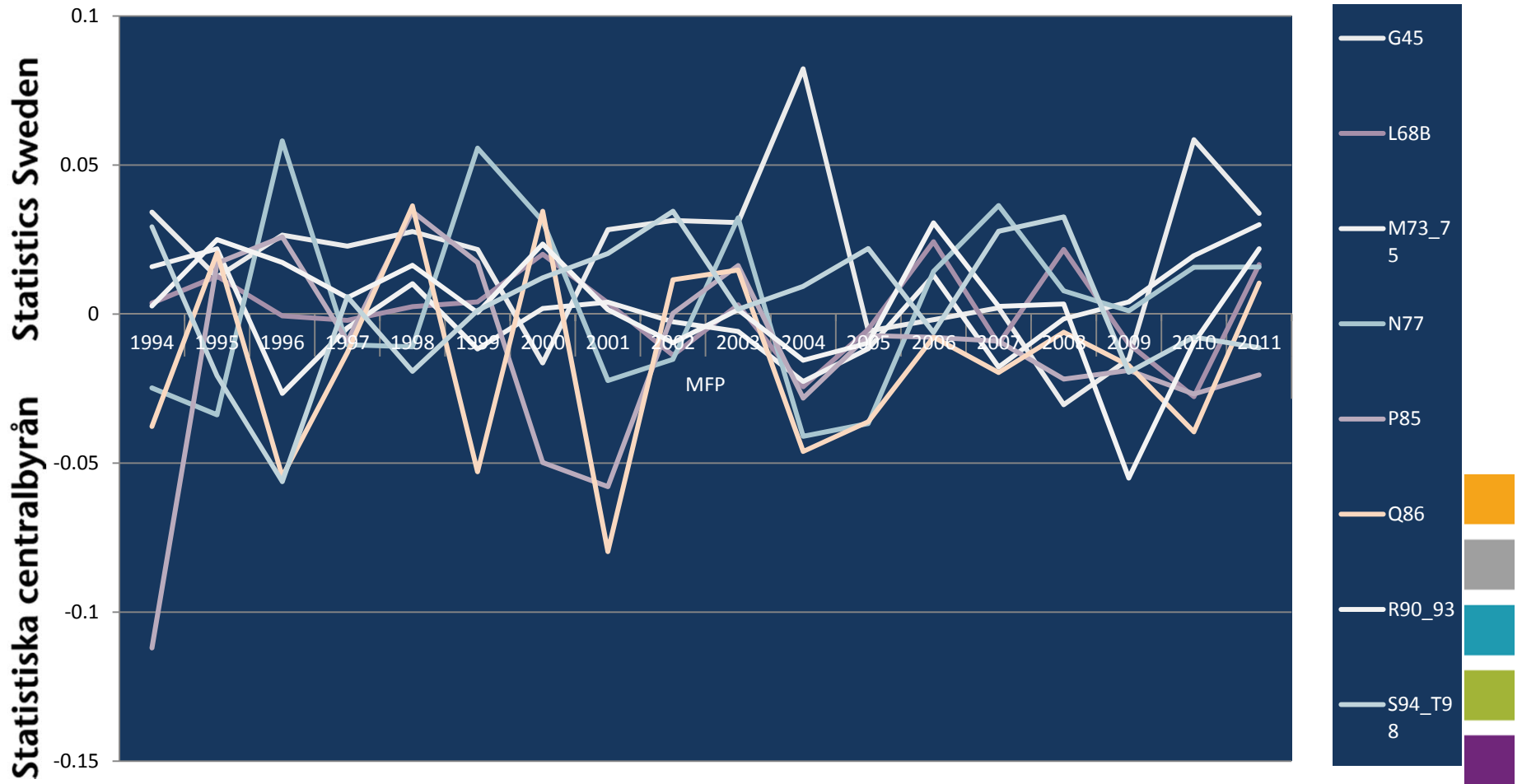
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Time development



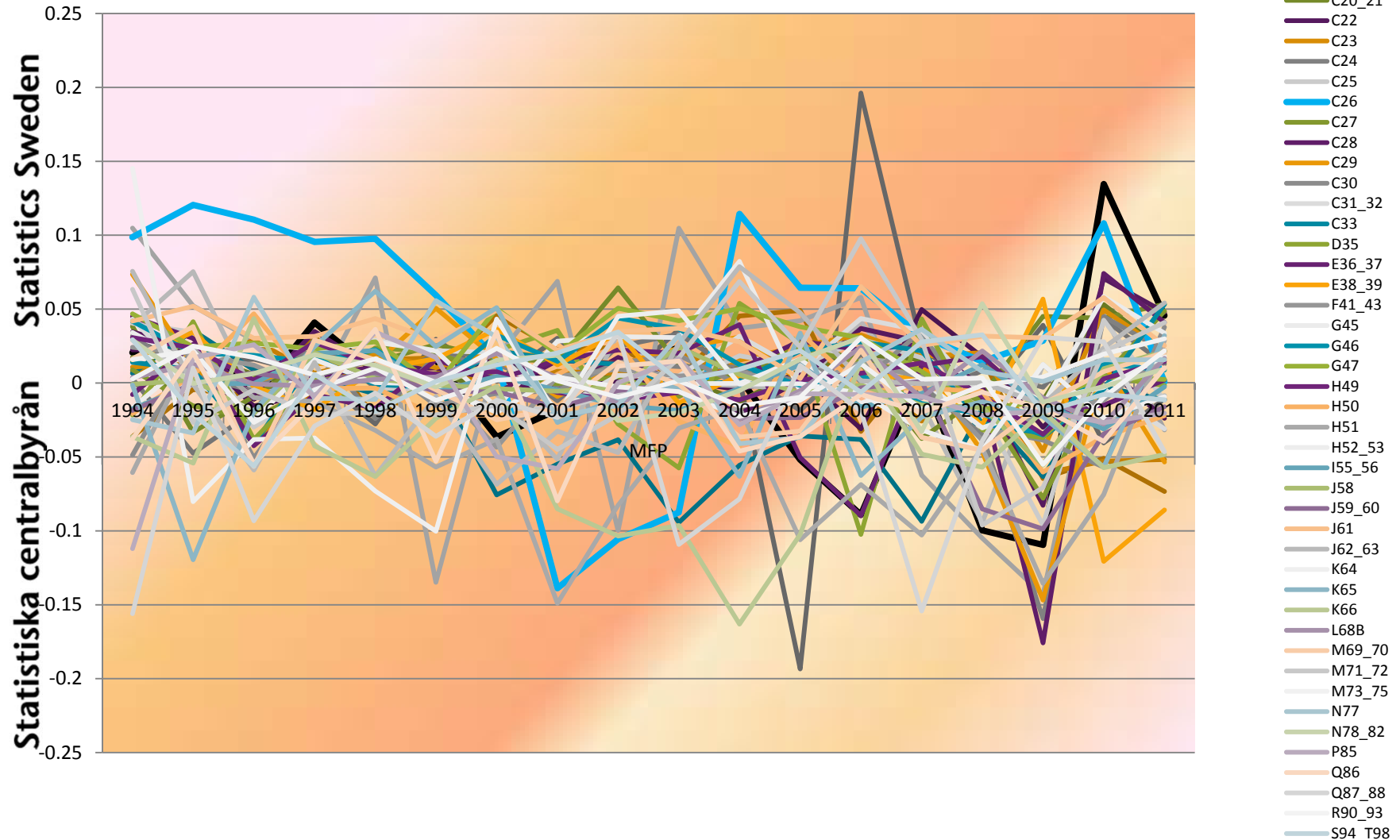


Growth pattern for 1993-2011





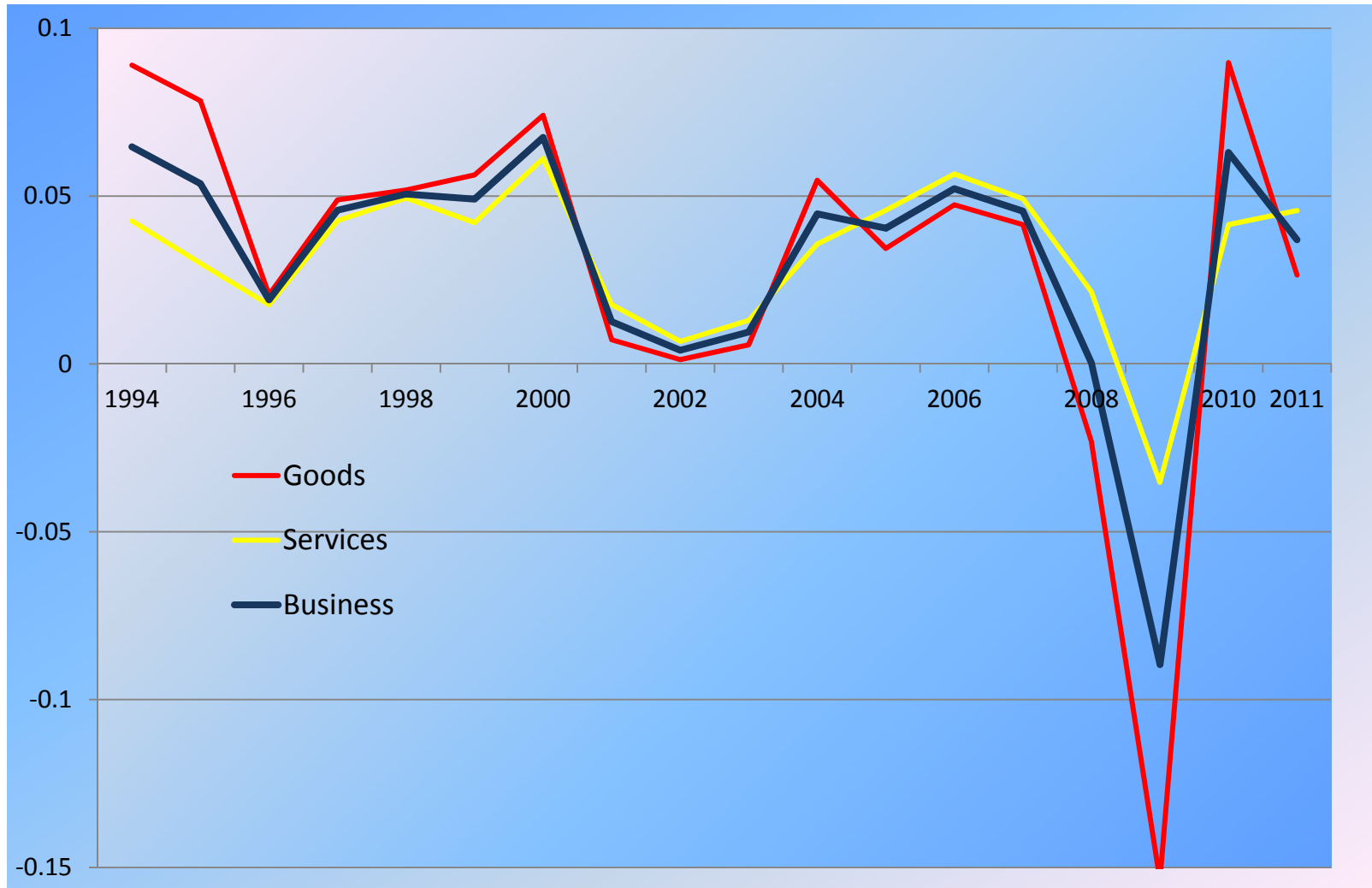
Growth pattern for 1993-2011





GP average yearly growth rate 1993-2011 Main aggregates

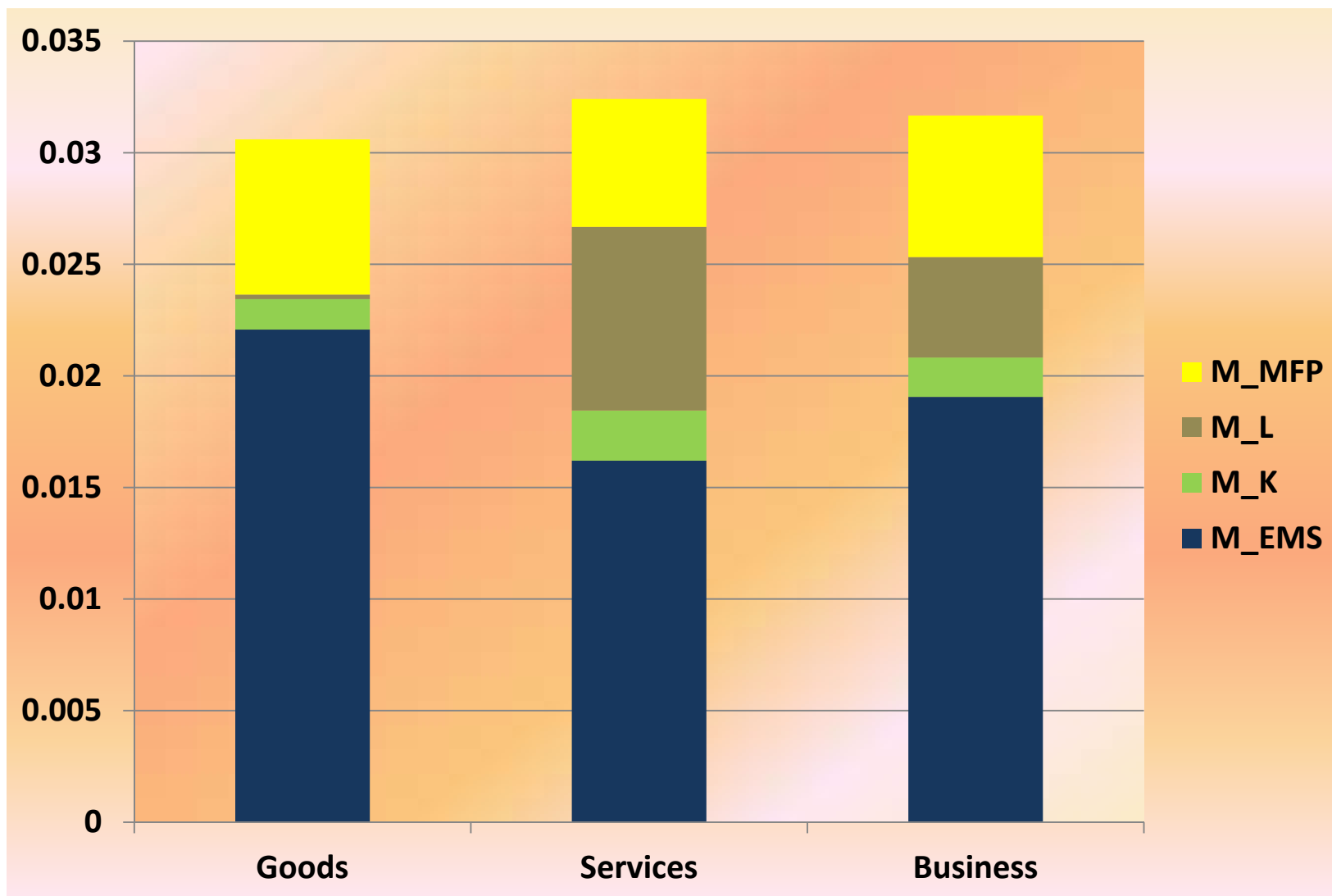
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Decomposition of the GP growth 1993-2011

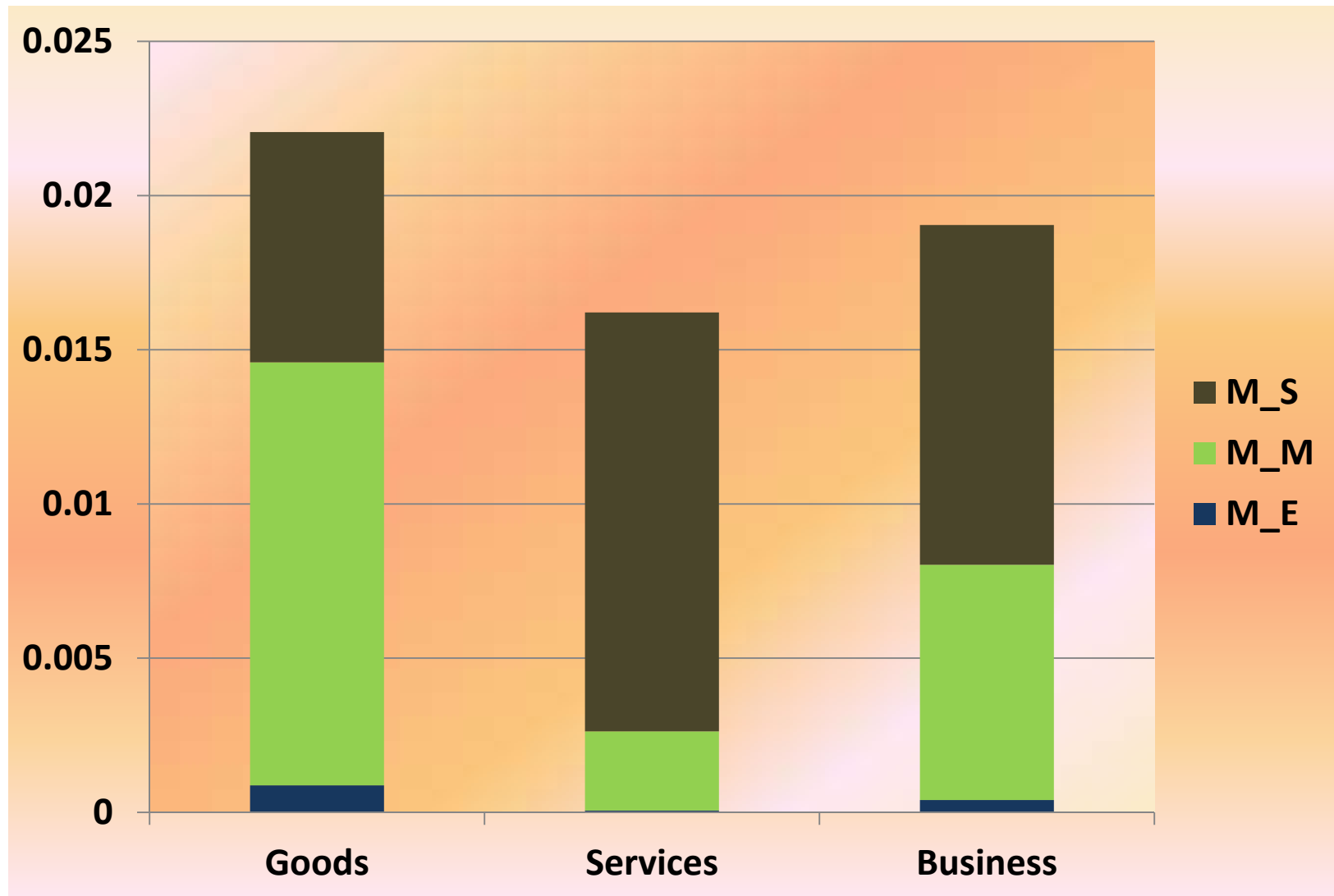
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Decomposition of the EMS growth 1993-2011

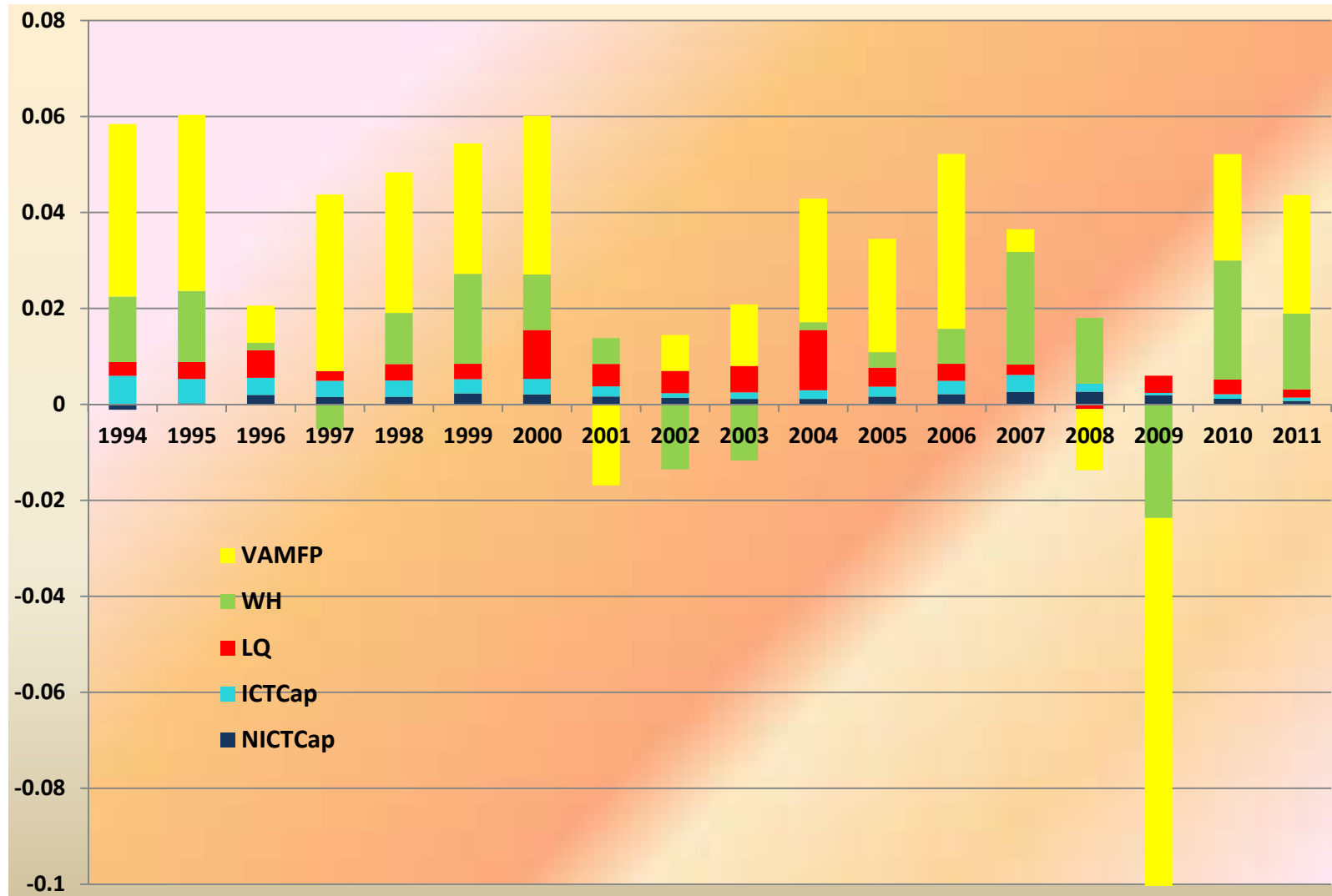
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Decomposition of the yearly VA growth 1993-2011

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That was all for now

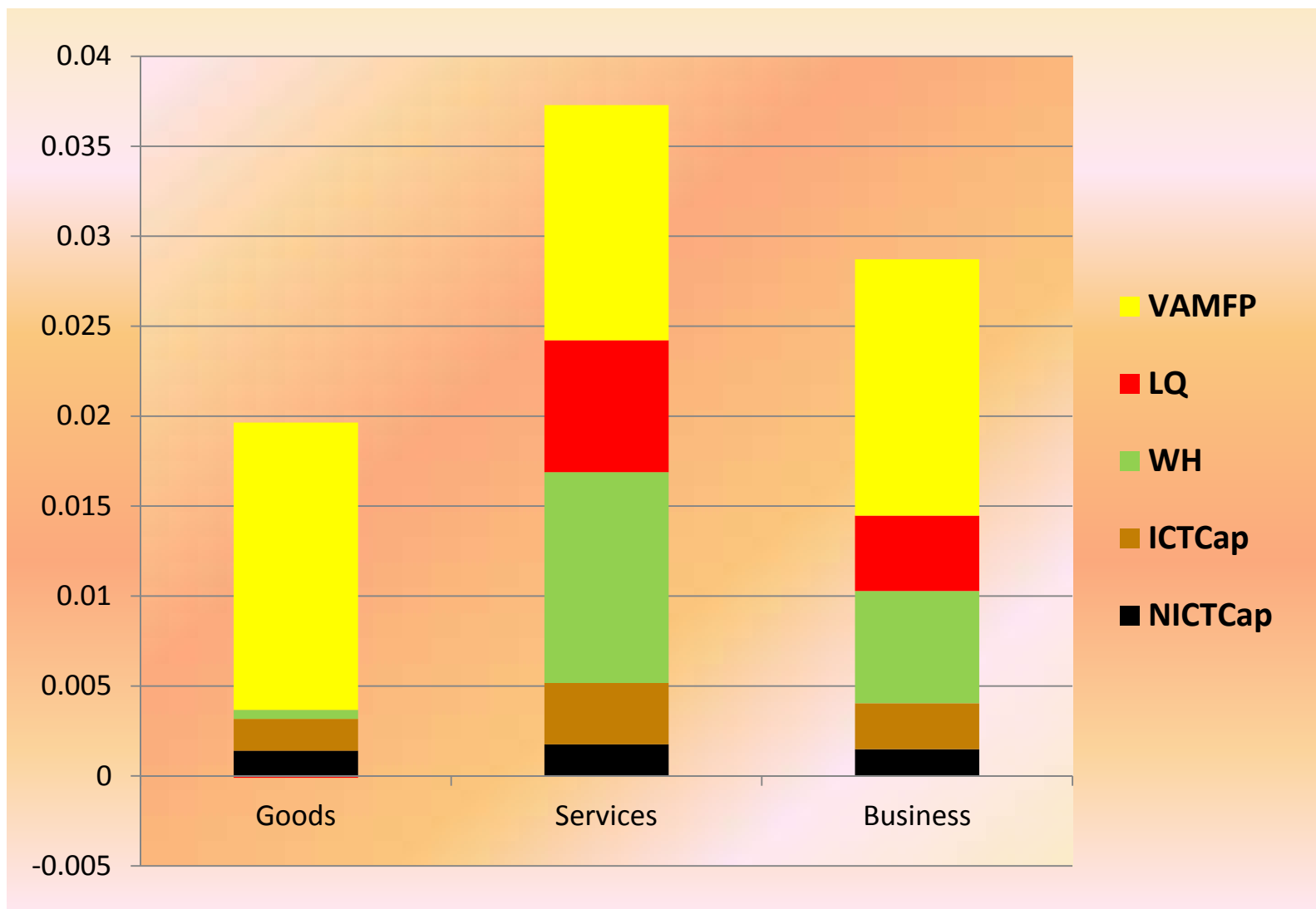
Thanks for listening

So now we have to continue our work





Decomposition of the VA growth 1993-2011 for aggregates





VAMFP average yearly growth rate 1993-2011 Aggregates





Traditional growth accounting

- Growth in gross production
- -The weighted input of production factors
- Intermediate input
 - Energy
 - Material
 - Services
- Labour
 - Worked Hours
 - Labour quality
- Capital
 - ICT Capital service
 - Non ICT Capital service
- =Multifactor productivity

