



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance

GLOBAL TRENDS IN RENEWABLE ENERGY INVESTMENT 2014

Chart Pack

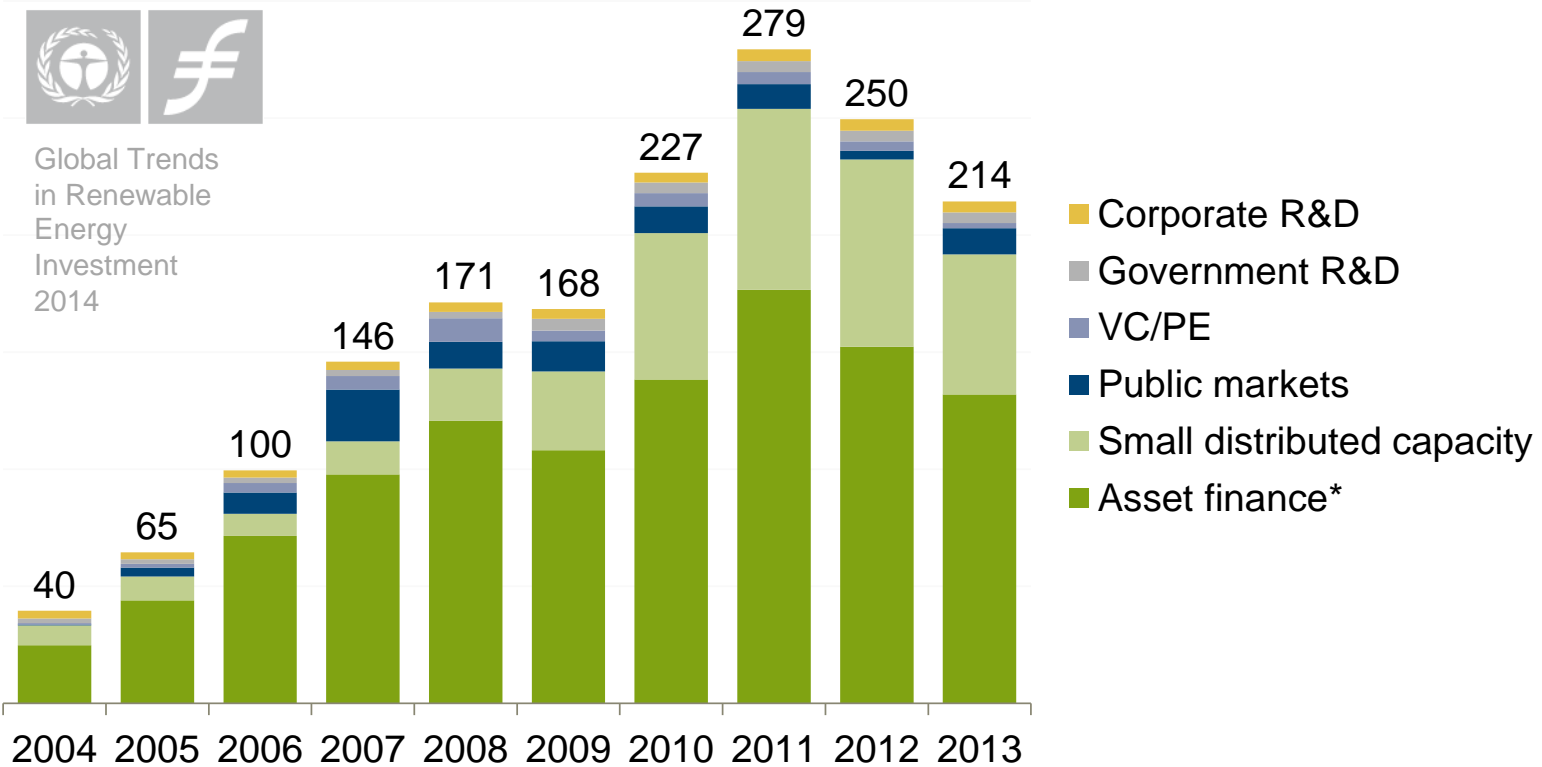
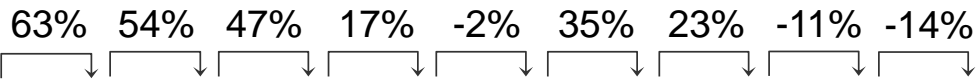
Bloomberg
NEW ENERGY FINANCE

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY ASSET CLASS, 2004–13 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance

Growth:



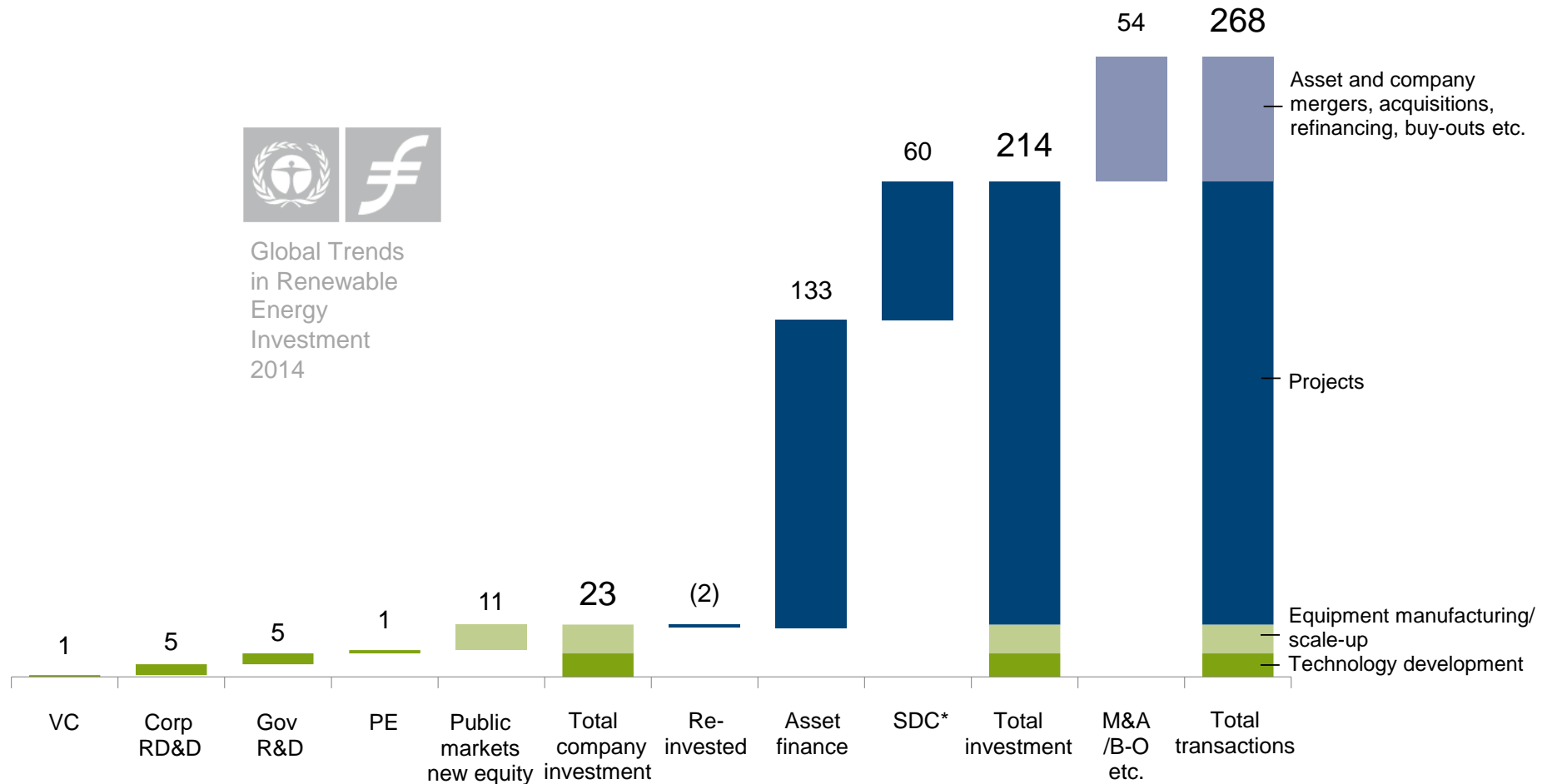
Note: *Asset finance volume adjusts for re-invested equity. Total values include estimates for undisclosed deals

Source: Bloomberg New Energy Finance

GLOBAL TRANSACTIONS IN RENEWABLE ENERGY, 2013 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



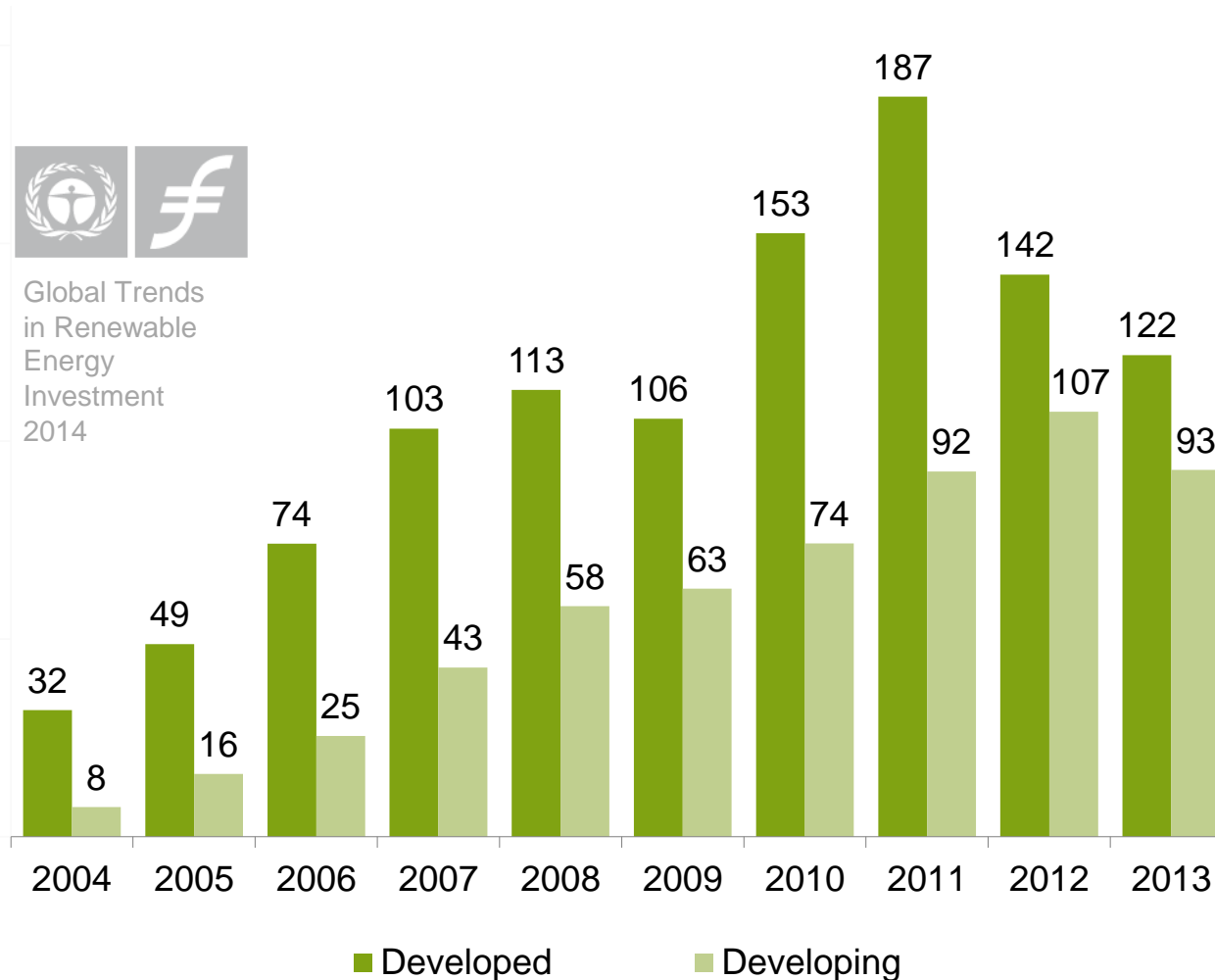
Note: SDC = small distributed capacity. Total values include estimates for undisclosed deals. Figures may not add up exactly to totals, due to rounding.

Source: Bloomberg New Energy Finance; UNEP

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY: DEVELOPED VS. DEVELOPING, 2004–13(\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



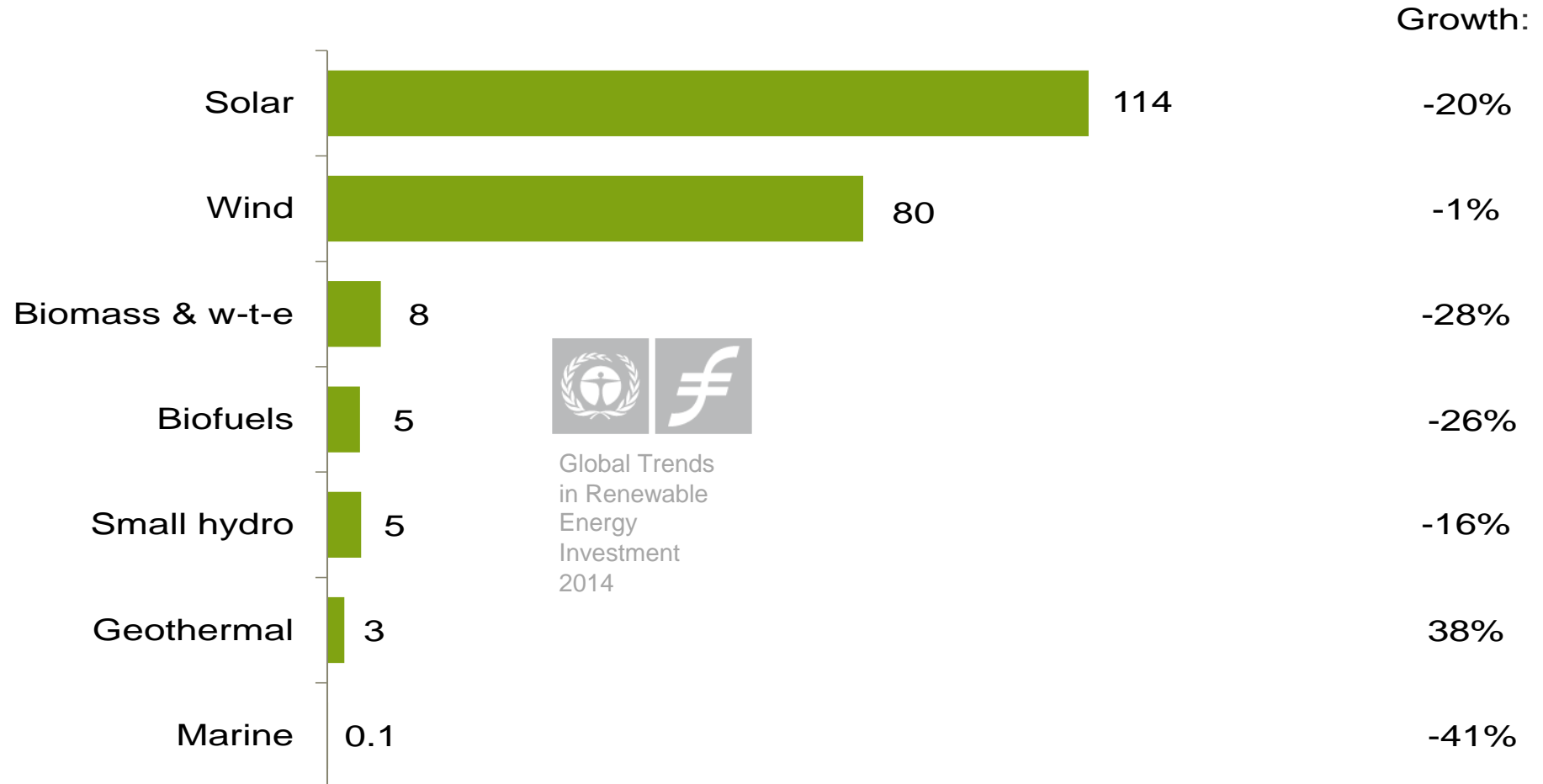
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals. Developed volumes are based on OECD countries excluding Mexico, Chile, and Turkey.

Source: Bloomberg New Energy Finance; UNEP

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2013 AND GROWTH ON 2012 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



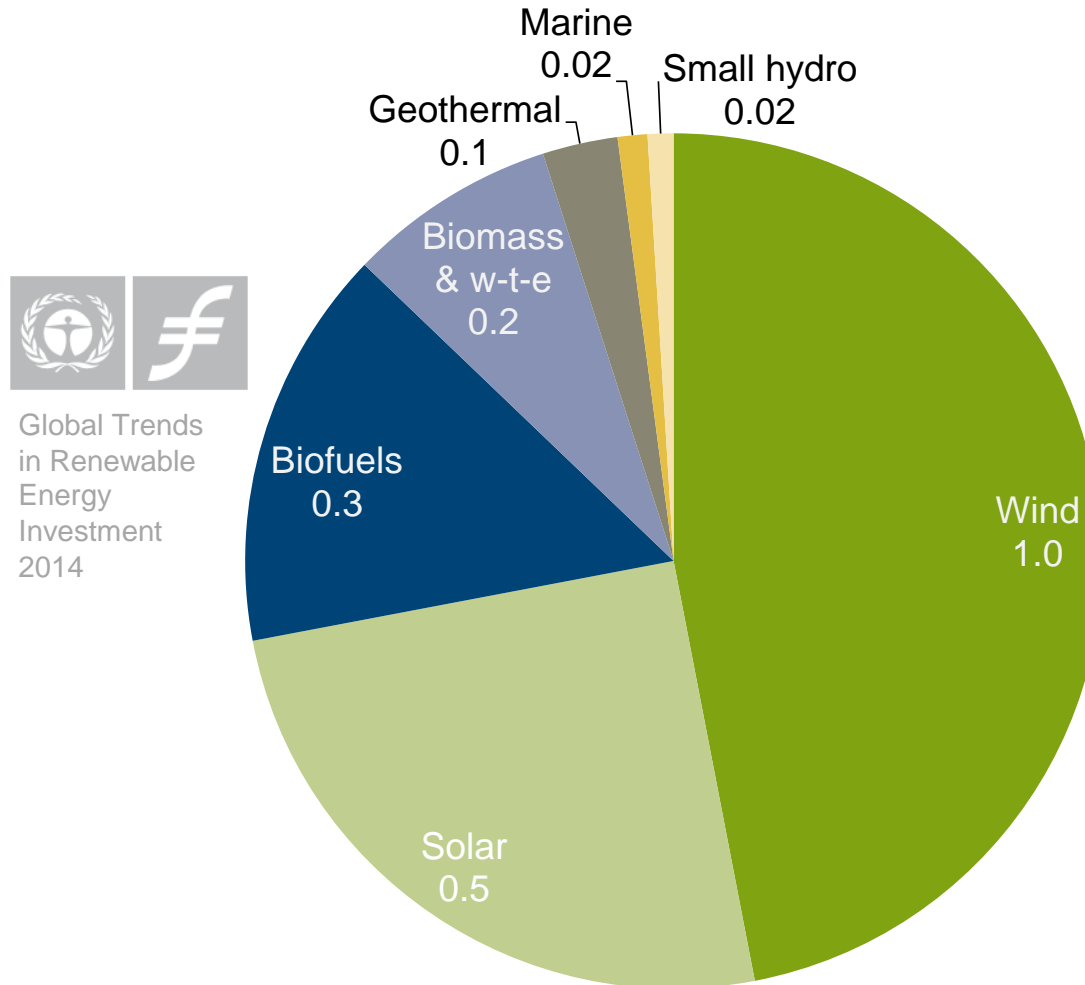
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance; UNEP

VC/PE NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2013 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



Global Trends
in Renewable
Energy
Investment
2014

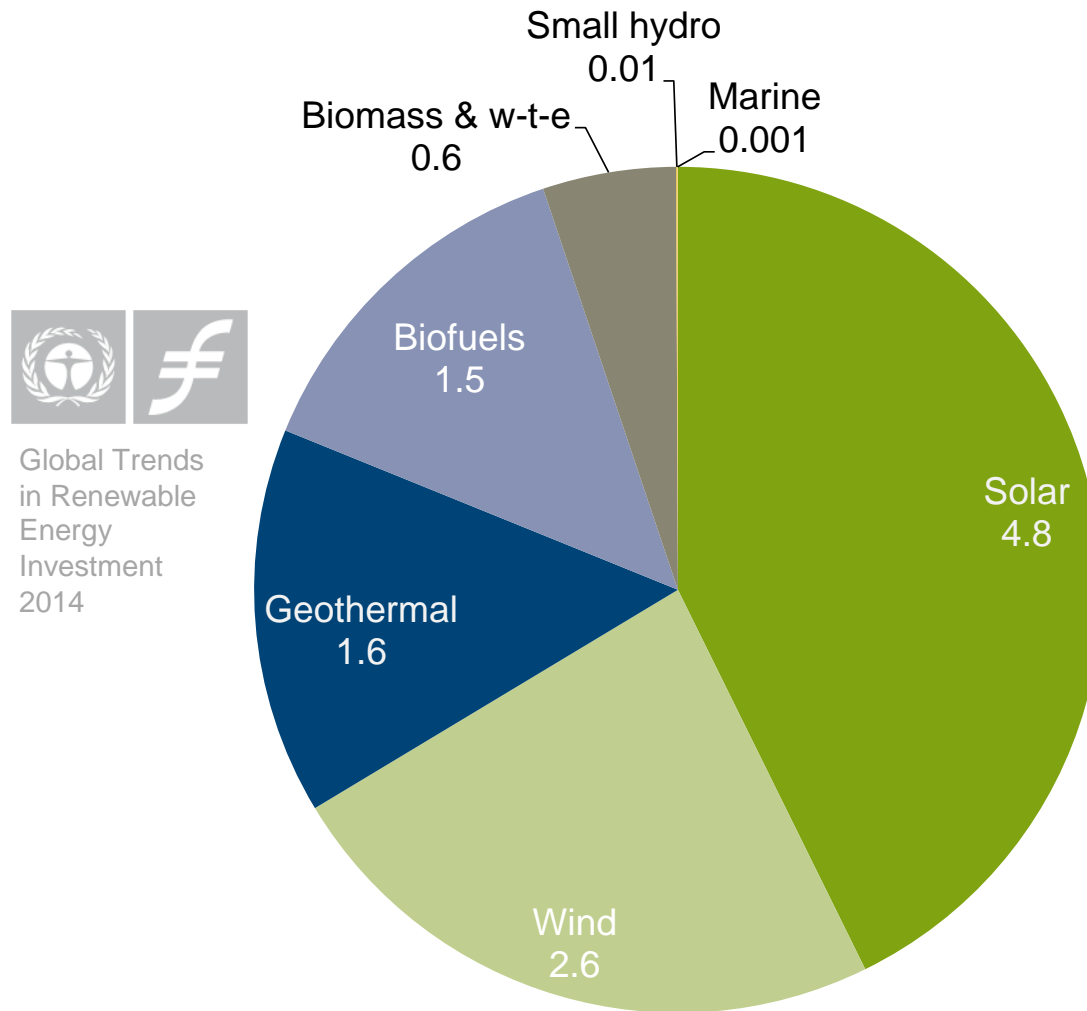
Note: VC/PE new investment excludes PE buy-outs. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;
UNEP

PUBLIC MARKETS NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2013 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



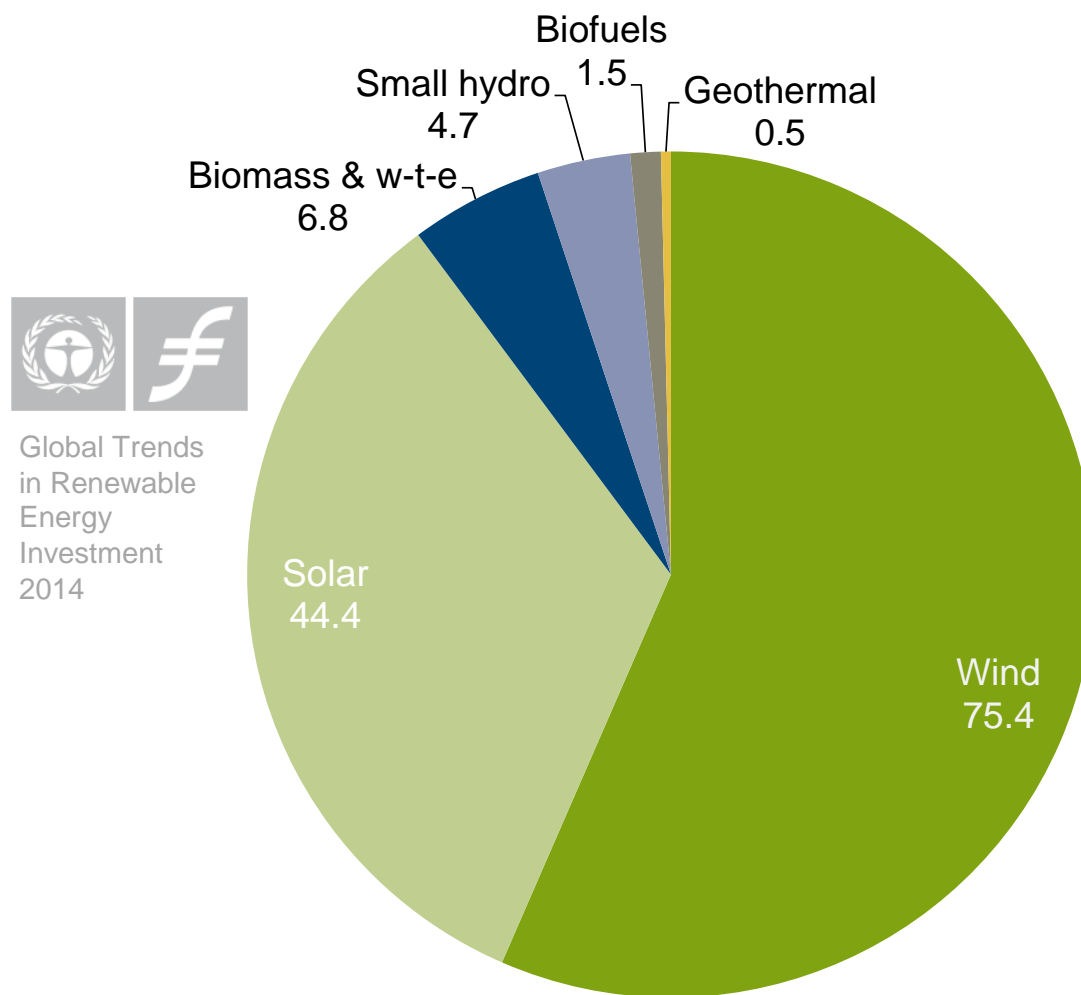
Global Trends in Renewable Energy Investment 2014

Source: Bloomberg New Energy Finance; UNEP

ASSET FINANCE OF NEW-BUILD RENEWABLE ENERGY ASSETS BY SECTOR, 2013 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



Global Trends
in Renewable
Energy
Investment
2014

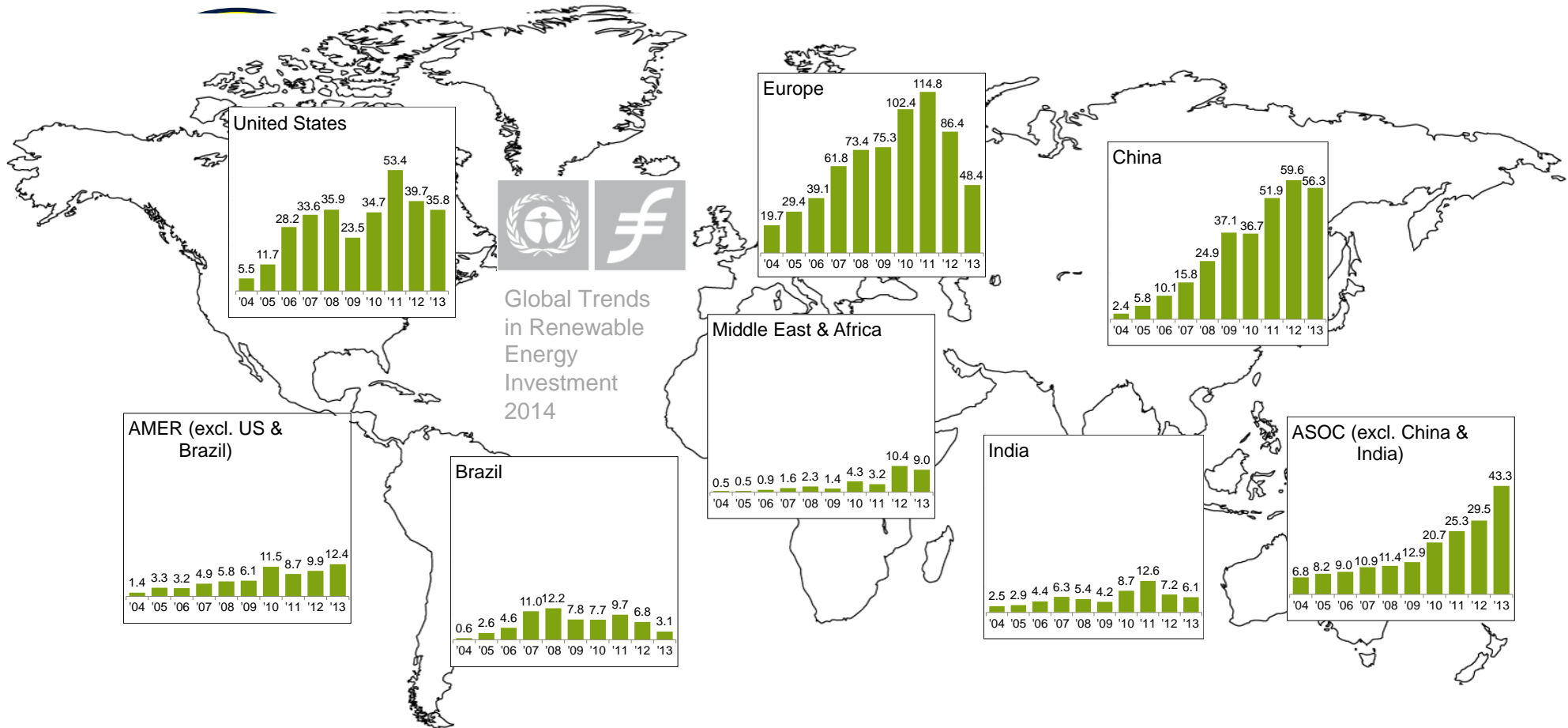
Note: Small distributed solar is not included under asset finance. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;
UNEP

GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2004–13 (\$BN)



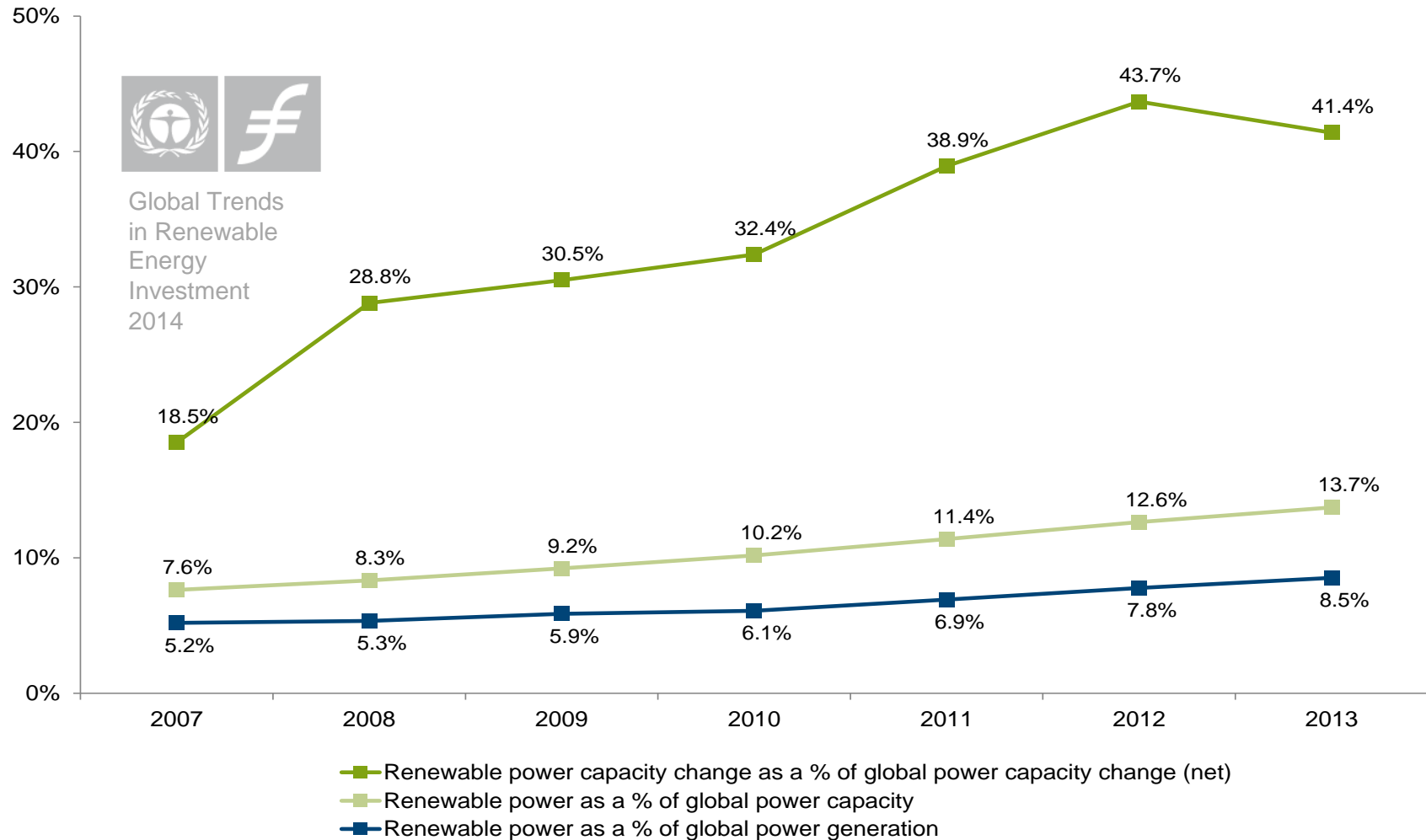
Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals. This comparison does not include small-scale projects.

Source: Bloomberg New Energy Finance; UNEP

RENEWABLE POWER GENERATION AND CAPACITY AS A PROPORTION OF GLOBAL POWER, 2006–13 (%)



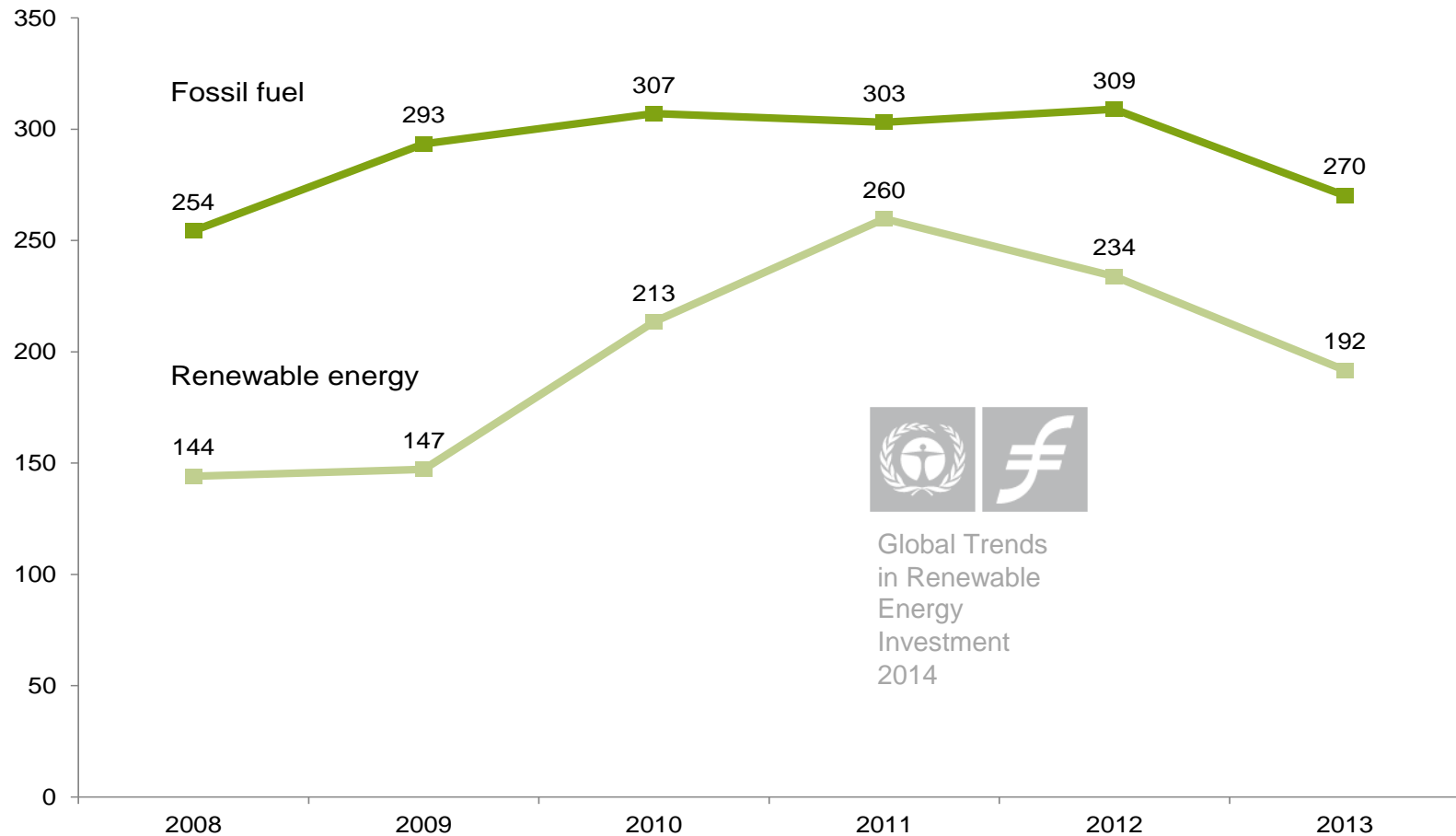
Note: Renewable power excludes large hydro. Renewable capacity figures based on Bloomberg New Energy Finance global totals.

Source: Bloomberg New Energy Finance, EIA, IEA, UNEP

RENEWABLE INVESTMENT COMPARED TO GROSS FOSSIL-FUEL INVESTMENT, 2008–2013 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



Global Trends
in Renewable
Energy
Investment
2014

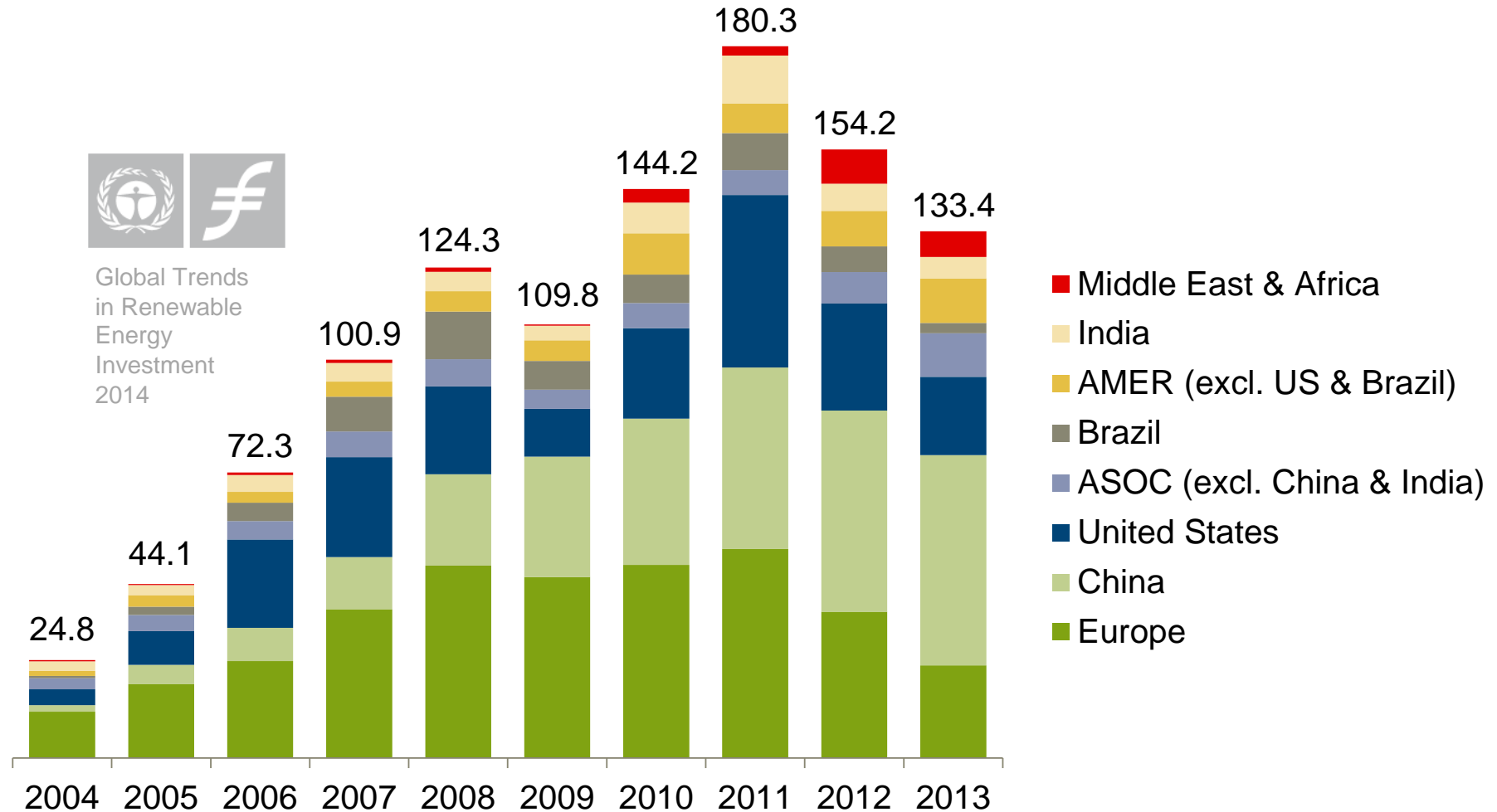
Note: Renewable energy total excludes large hydro. Fossil fuel is gross investment on coal, gas and oil capacity and assumes retired fossil capacity is replaced. We assume capacity retirement of 3.3%/year for coal, 4%/year for gas and 2.5%/year for oil.

Source: Bloomberg New Energy Finance;
UNEP

ASSET FINANCE NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2004–13 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



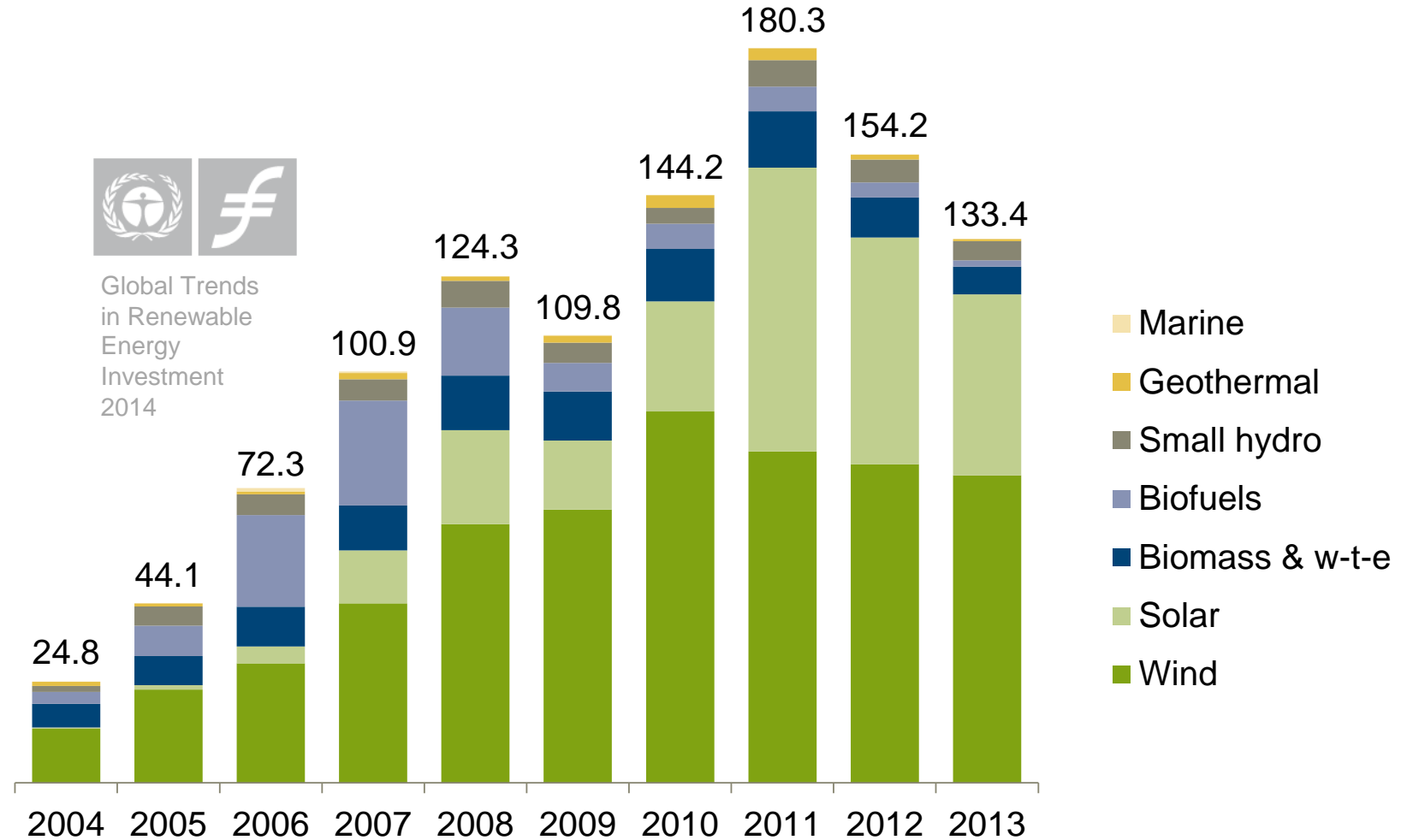
Note: Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;
UNEP

ASSET FINANCE NEW INVESTMENT IN RENEWABLE ENERGY BY SECTOR, 2004–13 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



Note: Total values include estimates for undisclosed deals.

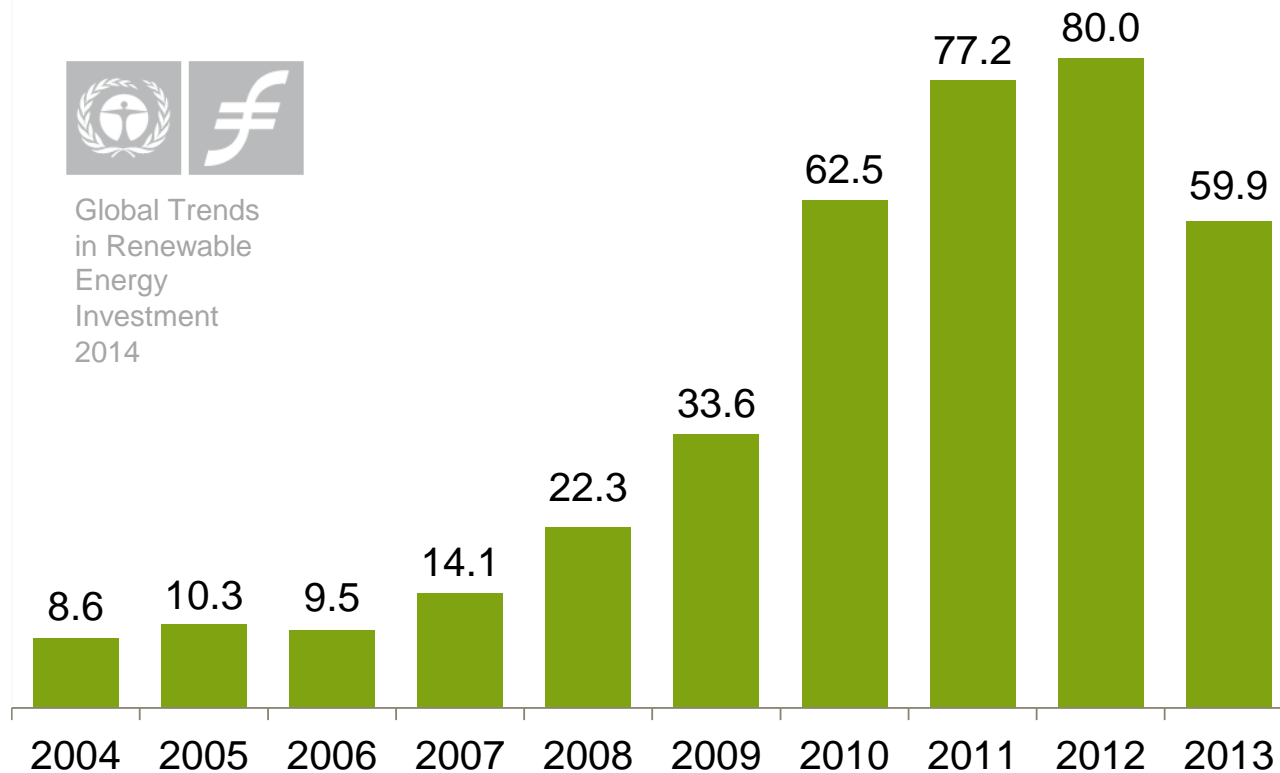
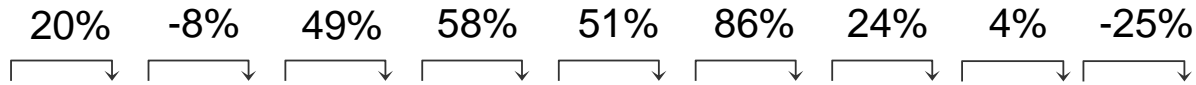
Source: Bloomberg New Energy Finance; UNEP

SMALL DISTRIBUTED CAPACITY INVESTMENT, 2004–13 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance

Growth:



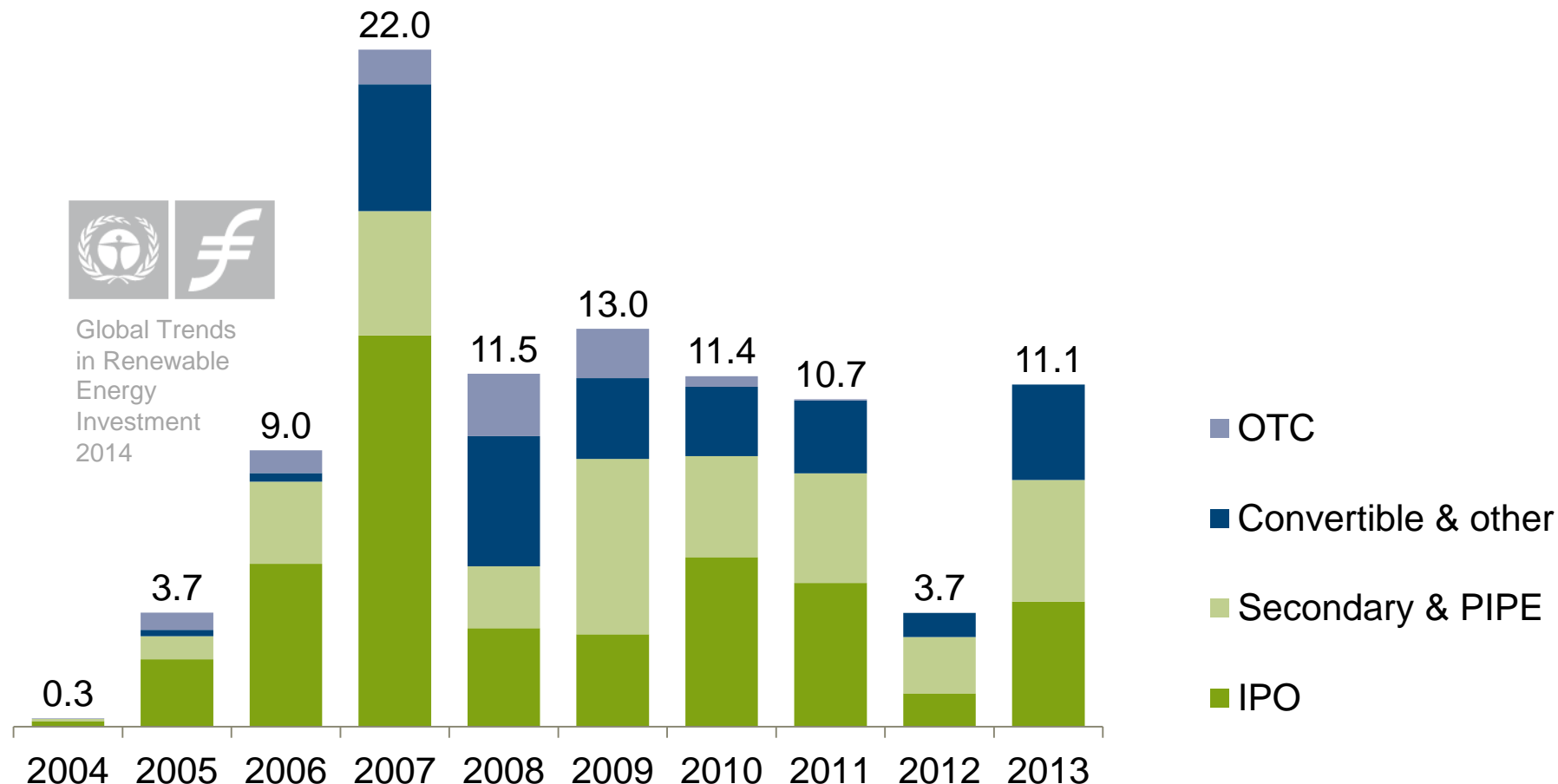
Note: Represents investments in solar PV projects with capacities below 1MW.

Source: Bloomberg New Energy Finance,
various industry sources

PUBLIC MARKETS NEW INVESTMENT IN RENEWABLE ENERGY BY STAGE, 2004–13 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



Note: PIPE = private investment in public equity, OTC = over-the-counter

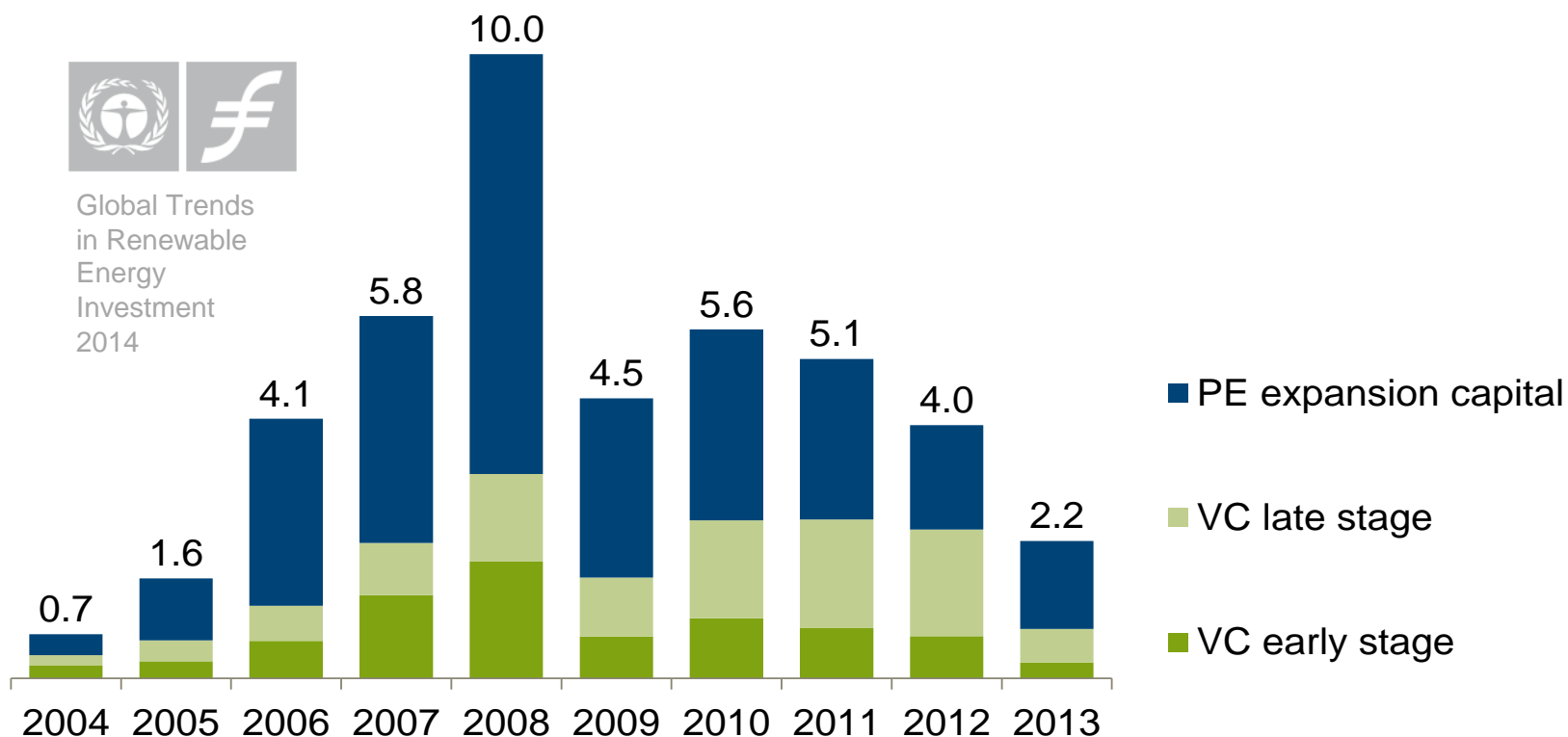
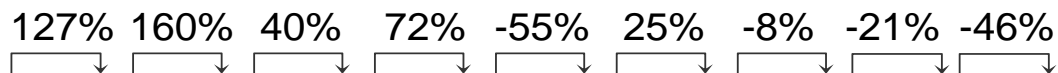
Source: Bloomberg New Energy Finance; UNEP

VC/PE NEW INVESTMENT IN RENEWABLE ENERGY BY STAGE, 2004–13 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance

Growth:



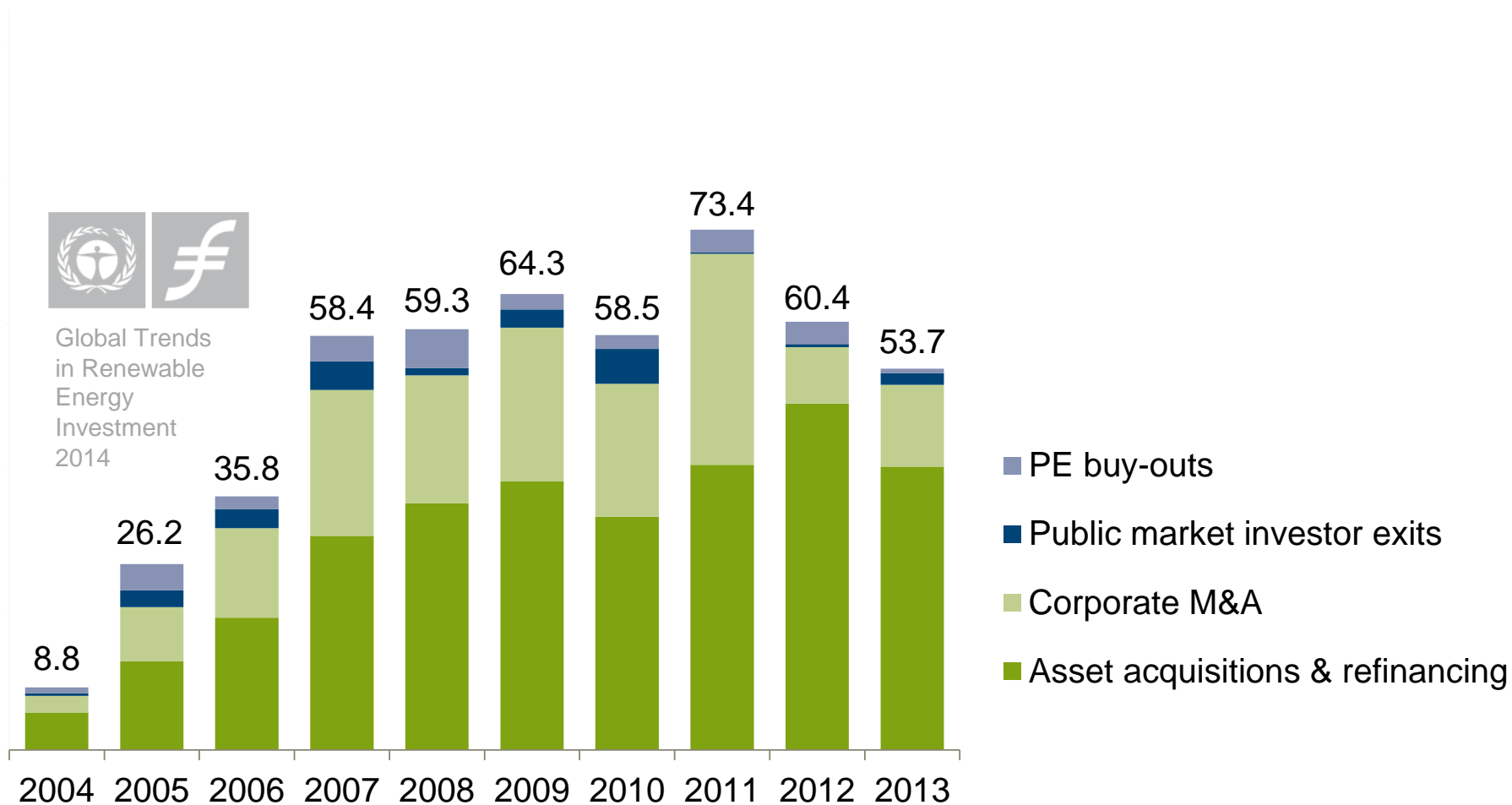
Note: Buy-outs are not included as new investment. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance; UNEP

ACQUISITION TRANSACTIONS IN RENEWABLE ENERGY BY TYPE, 2004–13 (\$BN)



Frankfurt School
FS-UNEP Collaborating Centre
for Climate & Sustainable Energy Finance



Note: Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance

For more information, contact:

Frankfurt School – UNEP
Collaborating Centre for Climate &
Sustainable Energy Finance

Frankfurt School of Finance & Management
Sonnemannstrasse 9-1 1
60314 Frankfurt/ Main
Germany

Tel: +49 69 154008-647
E-mail: fs_unep@fs.de

www.fs-unep-centre.org

Bloomberg New Energy Finance
Bloomberg LP
City Gate House
39-45 Finsbury Square
London EC2A 1PQ
email: info@bnef.com
www.bnef.com

