### **Treasury Sales Team**

#### <u>Retail</u>

Zsigmond Csillag

Team Leader +36 1 288 7556 zsigmond.csillag@otpbank. hu

István Milán Nagy +36 1 288 7554 milan.nagy@otpbank.hu

Frigyes Soós +36 1 288 7571 SoosF@otpbank.hu

Pál András Saághy +36 1 288 7553 Pal.Andras.Saaghy@otpba nk.hu

Tamás Szabó +36 1 288 7512 Tamas.Szabo.1@otpbank. hu

#### Institutional

Lóránt Fábián +36 1 288 7572 Lorant.Fabian@otpbank.hu

János Mladoniczki +36 1 288 7551 MladoniczkiJ@otpbank.hu

#### <u>Corporate</u>

Csinszka Kis-Böndi Team Leader +36 1 288 7544 Kis-bondics@otpbank.hu

Nóra Ilona Gordos +36 1 288 7549 Nora.Ilona.Gordos@otpbank.hu

János Imrei +36 1 288 7555 janos.imrei@otpbank.hu

Roxána Kosztelnik +36 1 288 7541 roxana.kosztelnik@otpbank.hu

Edit Kovács Gyimóti +36 1 288 7542 KovacsGyE@otpbank.hu

Anna Almási OTP Trader +36 1 298 3169 AlmasiA@otpbank.hu





## **Daily Report**

### DAILY REPORT - 11 FEBRUARY 2020

# **Otp** Research

#### Summary

- Coronavirus is spreading in Europe too.
- Stock markets edged lower in Europe but rose in America.
- Hungary's MNB accepted no bids in Monday's FX swap tender.

The death toll from the coronavirus exceeded 1,000 in China, and the number of cases registered elsewhere is growing too. The virus has killed more people than the SARS did in 2003, but mortality rates are still lower, owing to the large number of infections. Factory closures in China pose a risk to global supply chains, but one giant, General Motors already announced to relaunch manufacturing on 15 February and a number of big businesses consider resuming production.

The benchmark stock indices of Europe closed with slight gains. In America, investors started the week more optimistically. The S&P500 hit all-time high; only the materials and energy sectors could not contribute to its growth.

The relentlessly falling oil prices dragged down the energy sector. Oil exporters still could not find a solution for the slump in oil prices, stemming from the lower demand in China. WTI traded at less than USD 50 at the end of the day, and Brent came down to USD 53. A new output freeze could be a solution, but OPEC members and non-OPEC exporters do not see eye to eye in this issue.

Donald Trump proposes to cut expenses in the financial year starting on 1 October 2020, in a plan unveiled by the White House. The streamlining would affect social security and defence spending, but it would benefit infrastructure development and artificial intelligence research. House Speaker Nancy Pelosi said the Democratic party disagreed with the President's plans.

Yields on American and German 10Y government bond yields fell by three basis points, and the EUR/USD sank 0.3% to 1.09. The euro started to weaken against the key currencies when Annegret Kramp-Karrenbauer, the prospective successor to Angela Merkel, announced stepping down as CDU party leader; neither will she run for chancellor in the 2021 general election.

Hungary's BUX index ended the first day of the week 0.1% higher, with Richter's stock price surging 1.9%.

On the secondary market of Hungarian government bonds, the long end of the yield curve sank by one to seven points. Today the ÁKK will put up for sale HUF 30 billion government debt in 3M discount Treasury bills.

In its usual Monday FX swap tender, Hungary's MNB did not accept any bids. Thus, taking into account the instruments expiring on Wednesday, the excess liquidity provided by the MNB fell to less than HUF 2,000 billion. The forint opened on a strong note against the euro but ran out of steam in the afternoon; the EUR/HUF closed at 338.1 on Monday.

China's Shanghai Composite (+0.38%) and Hong Kong's HangSeng were seen in positive territory this morning; Japan's stock exchange was closed today.

Today the United Kingdom will release fourth-quarter GDP data, which is expected to miss the previous quarter's growth rate. The ECB's President Christine Lagarde will speak in the European Parliament today, while on the other side of the Atlantic, Jerome Powell will testify before Congress.



|               |                 | Stocks  |                        | Bonds      |                 |       |                  | Commodity & FX |                 |         |                        |         |
|---------------|-----------------|---------|------------------------|------------|-----------------|-------|------------------|----------------|-----------------|---------|------------------------|---------|
|               | Product<br>name | Close   | Daily<br>change<br>(%) | YTD<br>(%) | Product<br>name | Yield | Daily<br>change* | YTD*           | Product<br>name | Close   | Daily<br>change<br>(%) | YTD (%) |
|               | S&P500          | 3352.1  | 0.7                    | 3.8        | VIX             | 15.0  | -2.8             | 9              | WTI             | 49.8    | -1.1                   | -18.5   |
|               | DOW             | 29276.8 | 0.6                    | 2.6        | US 2Y           | 1.38  | -2               | -18            | Brent           | 53.27   | -2.2                   | -19.3   |
|               | Nasdaq100       | 9516.8  | 1.2                    | 9.0        | US 10Y          | 1.55  | -3               | -36            | Gold            | 1571.9  | 0.1                    | 3.6     |
|               | DAX             | 13494.0 | -0.1                   | 1.8        | GER 2Y          | -0.64 | -1               | -5             | Silver          | 17.75   | 0.4                    | -0.4    |
| <mark></mark> | CAC40           | 6015.7  | -0.2                   | 0.6        | GER 10Y         | -0.41 | -3               | -22            | EUR/USD         | 1.0909  | -0.3                   | -2.7    |
| lobal         | FTSE 100        | 7446.9  | -0.3                   | -1.3       | PT10Y           | 0.26  | -2               | -19            | EUR/GBP         | 0.8447  | -0.5                   | -0.1    |
| ט             | FTSE MIB        | 24507.7 | 0.1                    | 4.3        | IT 10Y          | 0.95  | 0                | -48            | EUR/NOK         | 10.1348 | -0.4                   | 3.0     |
|               | Stoxx600        | 424.6   | 0.1                    | 2.1        | SP 10           | 0.26  | -3               | -21            | USD/CAD         | 1.3315  | 0.0                    | 2.5     |
|               | - Banks         | 118.2   | -0.6                   | -1.6       | iTRAXX          | 43.4  | 0.0              | -2             | AUD/USD         | 0.6686  | 0.2                    | -4.8    |
|               | Nikkei 225      | 23686.0 | 0.0                    | 0.1        | JPY 2Y          | -0.16 | 0                | -3             | USD/JPY         | 109.74  | 0.0                    | 1.0     |
|               | SSEC            | 2900.8  | 0.4                    | -4.9       | JPY 10Y         | -0.06 | 0                | -4             | GBP/USD         | 1.2913  | 0.2                    | -2.6    |
| nal           | RTS             | 1504.0  | -0.9                   | -2.9       | RUS10           | 6.2   | 0                | -1             | USD/RUB         | 64.091  | -0.1                   | 3.5     |
| egio          | WIG20           | 2092.89 | -0.8                   | -2.7       | POL 10          | 2.1   | -1               | -3             | EUR/PLN         | 4.26    | -0.2                   | 0.2     |
| Re            | PX50            | 1111.1  | 0.0                    | -0.4       | CZ10            | 1.6   | 4                | -3             | EUR/RON         | 4.764   | 0.1                    | -0.5    |
|               | BUX             | 44539   | 0.1                    | -3.4       | 3M DKJ          | 0.15  | 0                | 8              | EUR/HUF         | 338.00  | 0.0                    | 2.1     |
|               | OTP             | 14650   | -1.1                   | -5.1       | 1Y              | 0.23  | 1                | 15             | USD/HUF         | 309.59  | 0.3                    | 4.9     |
| Hungary       | MOL             | 2634    | -0.4                   | -10.4      | 3Y              | 0.64  | 0                | 28             | CHF/HUF         | 316.53  | 0.2                    | 3.9     |
|               | MTelekom        | 452     | 0.2                    | 1.3        | 5Y              | 1.35  | -5               | 10             | PLN/HUF         | 79.14   | 0.0                    | 1.7     |
|               | Richter         | 6885    | 1.8                    | 7.3        | 10Y             | 2.07  | -7               | -1             | GBP/HUF         | 399.76  | 0.1                    | 2.4     |

\* In the case of bond yields, the change is in basis points instead of percentage (VIX and iTRAXX not included).

Sources: Reuters, OTP Research



| Da      | ata |         | Cd.                       | Event/Data  | Period | Fact   | Cons. | Prev.        |
|---------|-----|---------|---------------------------|---|--------|--------|-------|--------------|
| 2020 2. | 10. | 10 : 00 | ΕZ                        | Sentix Investor confidence (points)                 | Feb    | 5.2    | 4.1   | 7.6          |
|         |     | 15 : 00 | HU                        | FX-swap tender (maturing / stock bn HUF)            | -      | 0/1991 | -     | 64,23 / 2055 |
|         | 11. | 10 : 30 | UK                        | Industrial production (MoM, %)                      | Dec    |        | 0.3   | -1.2         |
|         |     | 10 : 30 | UK                        | GDP (preliminary, YoY, %)                           | Q4     |        | 0.8   | 1.1          |
|         |     | 10 : 30 | UK                        | GDP (preliminary, QoQ, %)                           | Q4     |        | 0.0   | 0.4          |
|         |     | 11 : 00 | EU                        | EC's Economic Forecast                              | -      |        | -     | -            |
|         |     | 14 : 00 | US                        | Jerome Powell's hearing at the Congress (Feb 11-12) | -      |        | -     | -            |
|         | 12. | 9 : 00  | HU                        | Industrial production (second estimate, YoY, %)     | Dec    |        |       | -1,2*        |
|         |     | 11 : 00 | ΕZ                        | Industrial production (MoM, %)                      | Dec    |        | -1.6  | 0.2          |
|         |     | 20 : 00 | US                        | Federal budget balance (USDbn)                      | Jan    |        | -11.5 | -13.3        |
|         | 13. | 9 : 00  | HU                        | Construction output (YoY, %)                        | Dec    |        | -     | 6.8          |
|         |     | 9 : 00  | HU                        | Inflation (YoY, %)                                  | Jan    |        | 4.3   | 4.0          |
|         |     | 9 : 00  | HU                        | Core inflation (YoY, SA, %)                         | Jan    |        | 4.0   | 3.9          |
|         |     | 14 : 30 | US                        | CPI (YoY, %)  | Jan    |        | 2.4   | 2.3          |
|         |     | 14 : 30 | US                        | CPI (MoM, SA, %)                                    | Jan    |        | 0.2   | 0.2          |
|         |     | 14 : 30 | US                        | core-CPI (YoY, %)                                   | Jan    |        | 2.2   | 2.3          |
|         |     | 14 : 30 | US                        | core-CPI (MoM, SA, %)                               | Jan    |        | 0.2   | 0.1          |
|         |     | 14 : 30 | US                        | Continuing jobless claims ('000s)                   | weekly |        | 1745  | 1751         |
|         |     | 14 : 30 | US                        | Initial jobless claims ('000s)                      | weekly |        | 210   | 202          |
|         | 14. | 8 : 00  | DE                        | GDP (preliminary, YoY, %)                           | Q4     |        | 0.2   | 1.0          |
|         |     | 8 : 00  | DE                        | GDP (preliminary, QoQ, %)                           | Q4     |        | 0.1   | 0.1          |
|         |     | 8 : 00  | RO                        | GDP (preliminary, YoY, %)                           | Q4     |        | 3.3   | 3.0          |
|         |     | 9 : 00  | CZ                        | GDP (preliminary, YoY, %)                           | Q4     |        |       | 2.5          |
|         |     | 9 : 00  | HU                        | GDP (preliminary, YoY, %)                           | Q4     |        | 4.5   | 5.0          |
|         |     | 9 : 00  | HU                        | GDP (preliminary, QoQ, %)                           | Q4     |        |       | 1.1          |
| 9 : 00  |     | SK      | GDP (preliminary, YoY, %) | Q4  |        |        | 1.3   |              |
|         |     | 10 : 00 | PL                        | GDP (preliminary, YoY, %)                           | Q4     |        |       | 3.9          |
|         |     | 11 : 00 | ΕZ                        | GDP (preliminary, YoY, %)                           | Q4     |        | 1.0   | 1,0*         |
|         |     | 11 : 00 | ΕZ                        | GDP (preliminary, QoQ, %)                           | Q4     |        | 0.1   | 0,1*         |
|         |     | 14 : 30 | US                        | Retail sales (MoM, %)                               | Jan    |        | 0.3   | 0.3          |
|         |     | 15 : 15 | US                        | Industrial production (MoM, %)                      | Jan    |        | -0.2  | -0.3         |
|         |     | 16 : 00 | US                        | Business inventories (MoM, %)                       | Dec    |        | 0.1   | -0.2         |
|         |     | 16 : 00 | US                        | Michigan Consumer confidence (preliminary, points)  | Feb    |        | 99.5  | 99.8         |
|         |     |         | HU                        | Fitch Credit Rating decision                        | -      |        | -     | BBB          |
|         |     |         | HU                        | S&P Credit Rating decision                          | -      |        | -     | BBB          |

\*preliminary data

Sources: Reuters, OTP Research



Chief Economist Gergely Tardos tardosg@otpbank.hu +36 1 374 7273 Analyst Beáta Váradi varadibe@otpbank.hu +36 1 374 7271

#### Disclaimer

- 1. The statements in this document shall not be considered as an objective or independent explanation of the matters. Please note that this document (a) has not been prepared in accordance with legal requirements designed to promote the independence of investment research, and (b) is not subject to any prohibition on dealing ahead of the dissemination or publication of investment research.
- 2. This communication does not contain a comprehensive analysis of the described issues. No part, chapter, or the entirety of this information shall be considered as investment recommendation, an offer or solicitation for the purchase or sale of any financial instrument, inducement to invest, financial or investment analysis, investment research or marketing communication, not even if any part of this document contains a description of a certain financial instrument in terms of its possible price or yield development, and the related investment options; the data herein are for informational purposes only. This document shall not be considered as investment recommendation falling under Directive 596/2014/EU of the European Parliament and of the Council. This document does not take into account investors' individual interests, circumstances, or objectives; therefore, in the absence of personal recommendation, it shall not be considered as investment advice. OTP Bank intends to make this document available to its clients or to the public, or to make it accessible to other persons in such a way that allows this document to be disseminated to the public.
- 3. Information herein reflects the market situation at the time of writing. However, it provides only momentary information and may change as market conditions and circumstances develop. You may request more information from OTP Bank. Although the information in this document has been prepared in good faith from sources that OTP Bank believes to be reliable, we do not represent or warrant its accuracy or completeness. This document was prepared using data, facts and information from the following essential sources: Bloomberg, Reuters, KSH (Hungarian Central Statistical Office), Eurostat, Magyar Nemzeti Bank (Hungary's central bank) ÁKK (Hungary's Government Debt Management Agency), and European Central Bank (ECB). The opinions and estimates in this document are based on the opinion of OTP Research's analyst(s) at the time when the document was prepared, and they may be subject to change at any time in the future without further notice. You may receive different recommendation from the staff of OTP Bank, in particular if you are provided investment advice based on an investment advice agreement.
- 4. This publication contains generic presentation of information and knowledge, thus it does not take into account the individual clients' unique and special interests, financial condition, or their ability and willingness to take risks. Therefore please contact our staff or contact your banking consultant for advice before you make an investment decision. The assessment and the consideration of the individual circumstances is provided by the suitability and appropriateness tests that assess clients' financial knowledge, experience, risk-taking abilities, as well as the examination of the target market.
- Before making an informed decision to invest and to use the services, please carefully read through all documents, including the documentation, prospectus, regulations, terms and conditions, announcements and key information documents for that product/service, and carefully consider the subject, the risk, the fees and costs of your investment, the possibility of any loss, and seek information about the tax regulations regarding the product and the investment. The prices of financial instruments and securities are changing. outriahts sales are realized at then current market prices. which involve losses. mav The information and opinions in this document do not substitute or take the place of the issuance documentation for the given financial assets (e.g. prospectus, fund management rules), or their brochures or announcements.
- 6. You assume total responsibility and risk for any specific decision or investment; OTP Bank shall not be held responsible for the effectiveness of investment decisions or for reaching your purpose, nor for the individual investment decision made based on this document or any part thereof, or for their consequences. Investments in financial instruments carry a certain degree of risk, which may affect the effectiveness of the investment decision, and investors may not receive the whole amount they expected the investment to yield in their investment targets; they may not preserve even the invested amount, therefore the invested capital might even decrease, be wholly lost, or even lead to additional payment obligation.

- 7. Trading with leveraged products (such as foreign exchange contracts) or with shares and indices that have underlying products carries a considerable amount of risk, and these products are not suitable for all investors. Trading with leveraged products carries the risk of losing all capital, and it may incur losses that exceed the amount invested.
- 8. The figures and information described herein refer to yields or changes in the past. Past performance is not a reliable indicator of future yields, changes, or performance.

The changes on money and capital markets, the fluctuation of prices, the development of investments and their yields are influenced by the combined effect of multiple factors; one important factor of them is the change in investors' expectations. The development of prices, the future yield of financial assets, indices or indicators, the examination of their changes, trends, and future performance is based on estimations and forecasts, which forecasts do not allow reliable conclusions to be drawn about the future moves of prices, real future yields, changes, or performance. For each product and service, please assess their tax accounting implications, and other tax consequences, taking into account that they cannot be precisely assessed without knowing the effective tax regulations or the client's individual circumstances; and these legislative provisions as well as the circumstances may change over time.

- 9. This document shall not be a basis for any further analysis in relation to the financial instruments contained therein. Any reference in this document to the future distribution of a financial instrument shall be construed as indicative, preliminary and informative, and any analysis of such financial instrument is exclusively based on publicly available information listed in the respective prospectus or announcement. The content of this document shall not imply that OTP Bank acts as an agent, a fiduciary, or an advisor to, or on behalf on, any prospective purchaser of the financial instruments discussed herein.
- 10. For certain persons, access to the products and/or services discussed in this document may not be granted, or it may be limited. The act of preparing this document by OTP Bank, its uploading to the website, its publication may under no circumstances be considered as OTP Bank's intention to make available the product and/or service information in the prospectus to persons whom any country or state prohibits from having or obtaining the given product and/or service, including the promotion and the advertisement thereof.
- 11. OTP Bank maintains a conflict of interest policy and it keeps such records, and it also has requirements that regulate the transmission of bank secrets and securities secrets, which requirements shall be considered as the effective internal organizational and management solutions as well as information barriers to prevent or manage conflicts of interest.

OTP Bank has developed appropriate internal procedures for (i) the personal transactions and trading of financial analysts and other relevant persons, (ii) the physical separation of the financial analysts involved in the production of investment research and other relevant persons; moreover, information barriers have been implemented, (iii) for accepting and managing incentives and remuneration.

Please be informed that OTP Bank is entitled to deal or trade as market maker, acting in good faith and in accordance with the usual way of market-making, with the financial instruments distributed by the issuer(s) specified in this document, as well as to provide other investment activities or ancillary (investment) services, and/or other financial or ancillary financial services to the issuer and other persons.

- 12. Previous documents on investing in this asset or product are available on the website of OTP Research: www.otpresearch.com
- 13. OTP Bank (company registration number: 01-10-041-585; registered seat: Nádor utca 16., Budapest H-1051, Hungary. Supervisory authority: Magyar Nemzeti Bank (National Bank of Hungary H-1054 Budapest, Szabadság tér 9); financial customer services: H-1013 Budapest, Krisztina krt. 39. PSZÁF licence numbers: III/41.003-22/2002 and E-III/456/2008; further information: https://www.otpbank.hu/portal/hu/Megtakaritas/Ertekpapir/MIFID).

All rights reserved. This document is solely owned by OTP Bank. No part of this material can be reproduced, re-used, disseminated, made available, re-published, referenced to, or inserted in other websites or services without the prior written consent of OTP Bank.

- 14. If you received this document from OTP Bank Plc, then it was sent to you with your previous consent. You may withdraw this permission by sending an e-mail to research@otpbank.hu or by writing a letter to 'Research Center', Hungary H-1051, Budapest, Nádor utca 21. Please refer to your name and e-mail address in both cases. Data management registration number: NAIH-89457/2015
- 15. The personal data in this investment research are processed by OTP Bank. The legal basis for processing the data is the legitimate interest of OTP Bank. The detailed information about the processing of personal data and the related rights of data subjects is available <u>here</u>.

**Otp** Research

# **Otp** Research

#### **Disclaimer for OTP Bank Romania S.A. customers**

OTP Bank Romania S.A. does not intend to present this document as an objective or independent explanation of the matters contained therein. This document a) has not been prepared in accordance with legal requirements designed to promote the independence of investment research, and b) is not subject to any prohibition on dealing ahead of the dissemination of investment research.

This communication does not contain a comprehensive analysis of the described issues. This report is issued for information purposes only and should not be interpreted as a suggestion, an invitation or an offer to enter into any transaction, as an investment advice, and it does not constitute legal, tax or accounting advice. Also it is not and should not be considered a recommendation for investment in financial instruments according to NSC Regulations no. 32/2006 and 15/2006.

Information herein reflects current market practices. Additional information may be available on request. This document is intended only for the direct and sole use of the selected customers of OTP Bank Romania S.A. Any form of reproduction or redistribution to any other person that the intended recipients, including publication in whole or in part for any purpose, must not be made without the express written agreement of OTP Bank Romania S.A. Although the information in this document has been prepared in good faith from sources which OTP Bank Romania S.A. believes to be reliable, we do not represent or warrant its accuracy and such information may be incomplete or condensed. The issuer of this report does not claim that the information presented herein is perfectly accurate or complete. However it is based on sources available to the public and widely believed to be reliable. Also the opinions and estimates presented herein reflect a professional subjective judgment at the original date of publication and are therefore subject to change thereafter without notice. Furthermore there can be no guarantees that any market developments will unfold as forecasted. Opinions and estimates constitute our judgment and are subject to change without notice.

OTP Bank Romania S.A. may have issued reports that are different or inconsistent with the information expressed within this report and is under no obligation to update or keep current the information contained herein.

OTP Bank Romania S.A. may hold a position or act as market maker in the financial instrument of any issuer discussed herein or act as advisor or lender to such issuer. This document is not intended to provide the basis for any evaluation of the financial instruments discussed herein. In particular, information in this document regarding any issue of new financial instruments should be regarded as indicative, preliminary and for illustrative purposes only, and evaluation of any such financial instruments should be made solely on the basis of information contained in the relevant offering circular and pricing supplement when available. OTP Bank Romania S.A. does not act as a fiduciary for or an advisor to any prospective purchaser of the financial instruments discussed herein and is not responsible for determining the legality or suitability of an investment in the financial instruments by any prospective purchaser.

This report is not intended to influence in any way or to be considered a substitute to research and advice centred on the specific investment objectives and constraints of the recipient (including tax concerns) therefore investors should obtain individual financial advice. Before purchasing or selling financial instruments or engaging investment services, please examine the prospectuses, regulations, terms, agreements, notices, fee letters, and any other relevant documents regarding financial instruments or investment services described herein in order to be capable of making a well-advised investment decision. Please refer to your competent adviser for advice on the risks, fees, taxes, potential losses and any other relevant conditions before you make your investment decision regarding financial instruments or indirect damage (including losses arising from compliance with the applicable law, assumes no responsibility, obligation, warranty or guarantee whatsoever for any direct or indirect damage (including losses arising from investments), or for the costs or expenses, detrimental legal consequences or other sanctions (including punitive and consequential damage) sustained by any natural or legal person as a result of the purchase or sale of financial instruments or engaging investment services described herein, even if OTP Bank Romania S.A. was warned of the possibility of such occurrences.

### DAILY REPORT - 11 FEBRUARY 2020

# **otp** Research

Figures described herein refer to the past and past performance is not a reliable indicator of future results. Investments in financial instruments carry a certain degree of risk (fluctuation of share prices, uncertainty of dividend, yields and / or profits, exchange rate fluctuations, etc.). The capital invested is not guaranteed, investment gains, usually assumed proportionate to risk, and past performance of financial instruments is not a guarantee for future performance.

Please note that the Internet is not a secure environment and OTP Bank Romania S.A. does not accept any liability for any loss caused by the result of using this report in a form altered or delayed by the wilful or accidental interception, corruption or virus infection.

All rights reserved – OTP Bank Romania S.A. (registered seat: Street Buzesti, no. 66-68, 1st district Bucharest, Romania; company registration number: 01-10-041585; NBR registration no RB-PJR-40-028/1999; for further information please refer to: https://www.otpbank.ro/en).

This document has been provided to the recipients upon their prior request. Your abovementioned permission may be withdrawn by an e-mail addressed to <u>newsletters@otpbank.ro</u> or a written mail addressed to OTP Bank Romania S.A , Buzesti Street, no. 66-68, 1st district, Bucharest, Romania. Please refer to your name and e-mail address in both cases.