



Independent Assurance Report on the Roche Sustainability Reporting 2018

To the Corporate Governance and Sustainability Committee of Roche Holding AG, Basel.

We have been engaged to perform assurance procedures to provide limited assurance on the aspects of the 2018 Sustainability Reporting of Roche Holding AG, Basel and its consolidated subsidiaries ('Roche') included in the Annual Report 2018 ('Report').

Scope and Subject matter

Our limited assurance engagement focused on the following data and information disclosed in the Sustainability Reporting of Roche for the year ended on December 31, 2018:

- the management of reporting processes with respect to the Sustainability Reporting in all material aspects and the preparation of Safety, Security, Health and Environmental protection ('SHE'), contributions, people key figures as well as the related control environment in relation to the data aggregation of these key figures;
- the materiality determination process of Roche at group level according to the requirements of the 'GRI Standards' and as disclosed on page 5 of the Report;
- the design of the sustainability risks and opportunities determination process based on Roche corporate-level activities, disclosed on page 4 in the paragraph 'Risk management' of the Report;
- the people key figures disclosed on pages 72 to 75 of the Report and the SHE key figures (including greenhouse gas emissions for scope 1 & 2 and scope 3 resulting from business travel, compressed air, liquid nitrogen and waste) in the tables and graphs on pages 80 to 87 and page 98 of the Report; and
- the figures on the Roche Group level in relation to the contributions and donations, disclosed on page 101 of the Report.

We have not carried out any work on data reported for prior reporting periods, nor have we performed work in respect of projections and targets.

Criteria

The management reporting processes with respect to the Sustainability Reporting and key figures were prepared by Roche based on the internal policies and procedures as set forth in the following:

- the Roche Group internal Sustainability Reporting guidelines based on the 'Responsible Care Health, Safety and Environmental Protection reporting guidelines' published by the European

- Chemical Industry Council CEFIC and the 'GRI Standards' published in October 2016 by the Global Reporting Initiative (GRI);
- the Roche Group internal Corporate Reporting Manual, 'Sustainability Reporting Guidance—Economic Performance' issued June 28, 2018;
- the Roche materiality determination process at corporate level based on the 'GRI Standards' published in October 2016 by the Global Reporting Initiative (GRI); and
- the defined guidelines, by which SHE, people and contributions key figures, and sustainability risks and opportunities are internally gathered, collated and aggregated.

Inherent Limitations

The accuracy and completeness of sustainability indicators are subject to inherent limitations given their nature and methods for determining, calculating and estimating such data. Our assurance report should therefore be read in connection with Roche's internal guidelines, definitions and procedures on the reporting of its sustainability performance.

Roche's Responsibilities

The Roche Corporate Governance and Sustainability Committee is responsible for both the subject matter and the criteria as well as for the selection, preparation and presentation of the selected information in accordance with the criteria. This responsibility includes the design, implementation and maintenance of related internal control relevant to this reporting process that is free from material misstatement, whether due to fraud or error.

Our Responsibility

Our responsibility is to form an independent opinion, based on our limited assurance procedures, on whether anything has come to our attention to indicate that the identified sustainability information selected and contained in this report is not stated, in all material respects, in accordance with the reporting criteria.

We planned and performed our procedures in accordance with the International Standard on Assurance Engagements (ISAE 3000) (revised) 'Assurance engagements other than audits or reviews of historical financial information', and, in respect of greenhouse gas emissions, with the International Standard on Assurance Engagements (ISAE 3410) 'Assurance Engagements on Greenhouse Gas Statements', issued by the International Auditing and Assurance Standards Board. These standards require that we plan and perform the assurance engagement to obtain limited assurance on the

identified sustainability information prepared, in all material aspects, in accordance with Roche's internal policies and procedures.

A limited assurance engagement under ISAE 3000 (revised) and ISAE 3410 is substantially less in scope than a reasonable assurance engagement in relation to both the risk assessment procedures, including an understanding of internal control, and the procedures performed in response to the assessed risks. Consequently, the nature, timing and extent of procedures for gathering sufficient appropriate evidence are deliberately limited relative to a reasonable assurance engagement and therefore less assurance is obtained with a limited assurance engagement than for a reasonable assurance engagement. The procedures selected depend on the assurance practitioner's judgement.

Our Independence and Quality Control

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

Our firm applies International Standard on Quality Control 1 and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Summary of work performed

Our assurance procedures included, amongst others, the following work:

- *Review of the application of Roche Group guidelines*
Reviewing the application of the Roche Group internal corporate sustainability and contributions guidelines;
- *Site visits and management inquiry*
Visiting selected sites of Roche's Pharmaceuticals and Diagnostics divisions in the USA, Germany, Greece, Colombia and Italy. The selection was based on quantitative and qualitative criteria; Interviewing personnel responsible for internal sustainability reporting and data collection at the sites we visited and at the Roche Group level to determine the understanding and application of Roche's internal sustainability guidelines;
- *Assessment of the key figures*
Performing tests on a sample basis of evidence supporting selected SHE, contributions and people key figures (e.g. Roche accident rate, energy consumption, greenhouse gas emissions related to energy consumption, water, waste, contributions to public policy stakeholders, representation of women in key leadership roles) concerning completeness, accuracy, adequacy and consistency;
- *Review of documentation and analysis of relevant policies and principles*

- Reviewing relevant documentation on a sample basis, including Roche Group sustainability policies, management of reporting structures and documentation;
- Reviewing the principles of the Roche materiality process providing the definition for the development of its adherence to GRI's environmental, social and economic reporting requirements addressing the soundness of the identification process, determination of impacted stakeholders, peer and competition review, integration of relevant regulatory requirements, integration of key organisational values and objectives and report prioritisation of material aspects;
- Inspecting the integration of the sustainability risks and opportunities in the Group Risk Management Process and its adherence to the internal guidelines;
- *Assessment of the processes and data consolidation*
Reviewing the management and Sustainability Reporting processes for SHE, contributions and people key figures; and Assessing the consolidation process of data at Roche Group level.

We have not conducted any work on data other than outlined in the subject matter as defined above. We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our assurance conclusion.

Conclusion

Based on our work performed and described in this report on the identified Roche Sustainability Reporting 2018 nothing has come to our attention causing us to believe that in all material respects:

- the Roche Group internal sustainability reporting guidelines based on the 'GRI Standards' as well as the 'CEFIC Guidelines' are not applied;
- the Roche materiality determination process at corporate level as disclosed does not adhere to the principles and guiding factors (e.g. soundness, stakeholder determination, peer review, relevance of regulatory environment, integration of key organisational values and objectives) defined with the 'GRI Standards';
- the design of the sustainability risks and opportunities determination process at corporate level as disclosed does not function as designed;
- the internal reporting processes to collect and aggregate SHE, people and contributions data are not functioning as designed and provide an appropriate basis for its disclosure;
- the sustainability information mentioned in the subject matter and disclosed within the Sustainability Reporting in the Roche Annual Report 2018 is not stated in accordance with the reporting criteria.

PricewaterhouseCoopers AG

Christophe Bourgoin

Fabienne Fricker

Zurich, 30 January 2019