

First Minister
Cabinet Secretary for Health, Wellbeing and Sport

PRECISION MEDICINE ECOSYSTEM FOR SCOTLAND

Purpose

1. To provide further information on a proposed investment in Precision Medicine.

Priority

2. Routine.

Background

3. You met with senior representatives of the clinical medical schools and NHS Research Scotland (NRS) on 22 September to discuss health research funding and opportunities in the area of Precision Medicine (PM). Ms Robison had previously discussed the first of these with the NRS R&D Directors and indicated that she would look at what could be done over the forthcoming spending review period.

4. The second topic was the case for immediate investment of £4m to accelerate the exploitation of Scotland's PM capabilities. It was suggested that, with a number of recent investments and forthcoming opportunities in this area, the time was right for Scotland to bring these resources together and market itself internationally as a global centre of excellence in this emerging technology. The First Minister asked for a short note setting out how the funds would accelerate the development of a PM ecosystem in Scotland.

The Proposal

5. The paper submitted is attached as an Annex. It proposes a "precision medicine ecosystem" within which the assets across Scotland would be co-ordinated and presented as a single portal for attracting and delivering PM studies. The platform would allow PM proposals to be progressed from concept to clinical testing and ultimately to NHS evaluation. Joining up these stages of development is critical to prompt progression and early adoption of the technologies. The paper addresses the need to develop new ways of linking routine NHS clinical and PM genomic data through informatics platforms. Scotland's informatics and PM expertise makes us well placed to deliver on this aim. **In summary, the issues and approach set out in this paper are very much in line with CSO and SE thinking, and as such CSO supports this proposal.**

6. The paper notes a series of detailed papers are being prepared to deliver the proposals. Should Ministers agree to fund this proposal we suggest the funds should come through CSO to ensure appropriate oversight of their deployment. The research components of the proposal, for example, will require peer review.

Summary

7. CSO recommends the funding of this proposal.

[REDACTED]

DCMO – Chief Scientist Office

[REDACTED]

13 November 2015

Copy List:	For Action	For Comments	For Information		
			Portfolio Interest	Constit Interest	General Awareness
Minister for Sport, Health Improvement and Mental Health Minister for Public Health			X		X

Deputy First Minister
 DG Health and Social Care
 CMO
 Chief Scientist
 [REDACTED], Health Finance
 [REDACTED], Healthcare Strategy
 DG Enterprise, Env and Innovation
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED], Special Adviser
 [REDACTED], Special Adviser

First Minister
Cabinet Secretary for Health, Wellbeing and Sport

PRECISION MEDICINE ECOSYSTEM FOR SCOTLAND

Purpose

1. To provide further information on a proposed investment in Precision Medicine.

Priority

2. Routine.

Background

3. You met with senior representatives of the clinical medical schools and NHS Research Scotland (NRS) on 22 September to discuss health research funding and opportunities in the area of Precision Medicine (PM). Ms Robison had previously discussed the first of these with the NRS R&D Directors and indicated that she would look at what could be done over the forthcoming spending review period.

4. The second topic was the case for immediate investment of £4m to accelerate the exploitation of Scotland's PM capabilities. It was suggested that, with a number of recent investments and forthcoming opportunities in this area, the time was right for Scotland to bring these resources together and market itself internationally as a global centre of excellence in this emerging technology. The First Minister asked for a short note setting out how the funds would accelerate the development of a PM ecosystem in Scotland.

The Proposal

5. The paper submitted is attached as an Annex. It proposes a "precision medicine ecosystem" within which the assets across Scotland would be co-ordinated and presented as a single portal for attracting and delivering PM studies. The platform would allow PM proposals to be progressed from concept to clinical testing and ultimately to NHS evaluation. Joining up these stages of development is critical to prompt progression and early adoption of the technologies. The paper addresses the need to develop new ways of linking routine NHS clinical and PM genomic data through informatics platforms. Scotland's informatics and PM expertise makes us well placed to deliver on this aim. **In summary, the issues and approach set out in this paper are very much in line with CSO and SE thinking, and as such CSO supports this proposal.**

6. The paper notes a series of detailed papers are being prepared to deliver the proposals. Should Ministers agree to fund this proposal we suggest the funds should come through CSO to ensure appropriate oversight of their deployment. The research components of the proposal, for example, will require peer review.

Summary

7. CSO recommends the funding of this proposal.

████████████████████
DCMO – Chief Scientist Office
████████████████████

13 November 2015

Copy List:	For Action	For Comments	For Information		
			Portfolio Interest	Constit Interest	General Awareness
Minister for Sport, Health Improvement and Mental Health Minister for Public Health			X		X

Deputy First Minister
 DG Health and Social Care
 CMO
 Chief Scientist
 [Redacted] Health Finance
 [Redacted] Healthcare Strategy
 DG Enterprise, Env and Innovation
 [Redacted]
 [Redacted] Special Adviser
 [Redacted] Special Adviser