



# Business Plan 2019 –2020



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#### 1. Introduction

Armagh Observatory and Planetarium's (AOP) Corporate Plan 2018-21 was developed in line with the objectives of the Northern Ireland Executive's draft Programme for Government (PfG) 2016-2021. The Plan sets out a three-year strategy to achieve stability for the organisation and provide a firm foundation for the future, upon which a greater ambition can be realised. AOP's Corporate Plan consists of 4 pillars: Research, Education and Community Outreach, History and Heritage, and Leadership and Governance.

The long-term vision is to provide facilities that will secure the future of its international frontline scientific research as well as excelling in the delivery of public outreach and education and enabling AOP to take advantage of future opportunities for growth and innovation.

In 2018-19, with the support of the Department for Communities (DfC) and the Strategic Investment Board, AOP completed a Strategic Outline Case (SOC) to set out a high-level project concept and options for the future of the whole site. The SOC was approved in January 2019 which demonstrates a confidence and optimism for the future of AOP and its contribution both locally, nationally and internationally to research and public outreach in science. Work has now commenced to develop an Outline Business Case which will identify and provide details on all options.

This Business Plan 2019-20 sets out AOP's objectives to deliver Year 2 of the AOP Corporate Plan.

#### 2. Progress in 2018-19

Much progress was made in 2018-19 across all 4 of AOP's strategic pillars.

#### Leadership and Governance:

- New governance arrangements have been established and are working well;
- New and robust accounting practices are in place;
- Action to address outstanding audit issues has been successful;
- AOP is now on track regarding its laying of accounts;
- Appointment of a Head of Research (August 2018) and Education and Outreach
  Manager (February 2019) has completed the senior management structure required to
  support the new unified organisation;
- Outstanding issues such as action to fill vacancies on Board of Governors and Management Committee, including attracting more female representation are being addressed.

#### **Education and Outreach**

In May 2018 the Planetarium celebrated its 50<sup>th</sup> Anniversary through a series of events which included a collaborative outreach project in local schools together with the Ulster Orchestra and a successful Women in Science engagement event. The presence of Dame Jocelyn Bell Burnell for two days of celebrations enriched the experience for all those involved and left a lasting resolve within AOP to continue to develop and excel in the delivery of public outreach and education in science.



Dame Jocelyn Bell Burnell and other invited guests with the Director and members of the Planetarium Education Team at the 50<sup>th</sup> Anniversary Celebrations

Our education programme has been expanded to include a wide range of options from preschool to A Level. The A level collaboration with the Armagh Learning Community in 2017-18 and 2018-19 proved very successful and will be repeated in 2019-20. Another addition — 'toddlers' takeover' — has also proved very popular, introducing the next generation to the cosmos at an early age.



Professor Simon Jeffery and AOP PhD students teaching the Astrophysics module of the A Level curriculum to members of the Armagh Learning Community

#### **History and Heritage**

Significant progress has been made towards making an application for Museum Accreditation.

AOP has forged strong links with Armagh City, Banbridge and Craigavon Borough Council in respect of tourism and heritage led projects.

#### Research

In September 2018 AOP hosted an international conference for over 50 Astronomers from 16 nations to discuss and debate their current research about Hydrogen-Deficient Stars. AOP was chosen to host this conference as three of its astronomers play a world-leading role in this field of research.



AOP Director, Professor Michael Burton addresses delegates at the conference on Hydrogen-Deficient Stars

#### Sponsor Department Resource Grant-in-Aid Budget 2018-19

|                 | Resource   | Capital  |
|-----------------|------------|----------|
| Opening budget  | £1,179,000 | £0       |
| In Year Funding | £571,177   | £563,600 |
| Closing budget  | £1750,177  | £563,000 |

## 3. Key Performance Indicators 2019-20

|    | KPI   | Target  |
|----|---|---|
| 1  | Number of articles published in refereed scientific journal publications in 2019-20       | 50  |
| 2  | Maintain a credible PhD Student Programme of 12 PhD students                              | 10 students by 31.03.20   |
| 3  | Enhancement of AOP research environment   | 10 research visitors during 2019-20   |
| 4  | Increase visitor numbers  | 55,000 visitors by 31.03.20   |
| 5  | Visits from schools who have not visited in the last 5 years                              | 10 new schools during 2019-<br>20   |
| 6  | Visits for schools eligible for Extended Schools Programme                                | 40% of total school visitors by 31.03.20  |
| 7  | Post primary school pilot   | 5 schools during 2019-20  |
| 8  | Visits from community groups outside normal target audience of schools and families       | 20 group visits by 31.03.20   |
| 9  | Increase tours promoting AOP wider assets (Astropark, Observatory)                        | 30 events during 2019-20  |
| 10 | Progress long term strategy   | By 31.03.20 to have<br>developed an OBC for<br>consideration by DfC/DoF                             |
| 11 | Improve Employee Satisfaction at work through increased training, development etc.        | Achieve above 50% average ratings 4 or higher in December 2019 employee survey (from 38.3% in 2018) |
| 12 | Increase income from commercial activity (admissions, facility hire, shop and café sales) | £260,000 gross income by 31.03.20 (from £239,000 actual gross income in 2018-19)                    |

## 4. AOP Strategic and Business Plan Objectives

| RESEARCH                 |                                 |                             |                           |                               |                   |
|--------------------------|---------------------------------|-----------------------------|---------------------------|-------------------------------|-------------------|
| Corporate Plan           | Outcome Delivery Plan           | 2018-19 Objective           | 2018-19 Progress          | 2019-20 Objective             | KPI 2019-20       |
| Objective                | contribution                    |                             |                           |                               |                   |
| By March 2021 to have    | Outcome 5: We are in            | Scope an agreed Research    | Continuing – schedule for | By March 2020 to have agreed  | Articles          |
| successfully retained a  | innovative, creative society    | Strategy to include the     | research assessment       | process and arrangements for  | published in      |
| peer-led and externally  | where people can fulfil their   | projects and programmes     | exercise set.             | peer-led external validation  | refereed          |
| validated Quality Rating | potential                       | necessary to achieve        |                           | exercise                      | scientific        |
| for the AOP Research     |                                 | success and appropriate     |                           |                               | journals – target |
| Programme                | We support this outcome by      | methodology for             |                           | By June 2019 to have achieved | 50                |
|                          | participating in International  | conducting a research       |                           | Project Juno Practitioner     |                   |
|                          | collaborations and undertaking  | assessment exercise         |                           | Status                        | Maintain a        |
| By March 2020 to have    | research which has been ranked  | Scope out a Project         | Completed. AR pilot       | Further action will be        | credible PhD      |
| begun a pilot 'Digital   | as 'world class'                | Initiation Document and     | project in partnership    | considered in context of OBC  | student           |
| Incubator Hub' project   |                                 | Partnership Arrangement     | with Yellow Design and    |                               | programme –       |
| in partnership with      | Outcome 9: We are a shared,     | to deliver a viable project | funded by Tourism NI      |                               | target 12         |
| other stakeholders       | welcoming and confident         |                             |                           |                               | students by       |
| By March 2019 to have    | society that respects diversity | Corporate plan target       | Complete                  | Deliver one international     | 31.10.21          |
| delivered one            |                                 | delivered                   |                           | scientific meeting            |                   |
| international scientific | AOP promotes a welcoming and    |                             |                           |                               |                   |
| meeting showcasing       | neutral environment,            |                             |                           |                               |                   |
| AOP research and         | embedded in its motto "We are   |                             |                           |                               | Facilitate at     |
| outreach                 | all equal under the stars"      |                             |                           |                               | least ten         |
| By March 2021 to have    |                                 | Develop a strategy for      | Head of Research          | Establish arrangements for a  | research visitors |
| initiated at least one   | Outcome 10: We have created     | engagement with             | commenced August 2018     | Fellowship post on a 3-year   | by 31.03.20 so    |
| collaborative research   | a place where people want to    | international               | bringing a new field of   | rotation to increase          | enhancing AOP     |
| project involving a new  | live and work, visit and invest | collaborations that best    | research and              | collaboration and new         | research          |
| strategic direction with |                                 | suits AOP's role as a small | international             | research                      | environment       |
| a national/international | AOP attracts high calibre staff | institution with quality    | collaboration to AOP      |                               |                   |
| partner                  | and students from across the    | researchers.                |                           |                               |                   |
|                          | world                           |                             |                           |                               |                   |

| EDUCATION AND OUTREACH      |   |  |                              |  |                                    |  |
|-----------------------------|---|--|------------------------------|--|------------------------------------|--|
| Corporate Plan              | Outcome Delivery Plan                                   | 2018-19 Objective                                | <b>2018-19 Progress</b>      | 2019-20 Objective  | KPI                                |  |
| Objective                   | contribution  |  |                              |  |                                    |  |
| By March 2021 to            | Outcome 6: We have more                                 | Develop a visitor and                            | 2018-19 was a difficult year | Develop an annual  | 55,000 visitors                    |  |
| grow total per annum        | people working in better jobs                           | engagement plan to                               | in terms of staffing         | programme of events and  | by 31.03.20                        |  |
| visitor numbers to          |   | maximise opportunities                           | therefore opportunities      | increased targeted marketing   |                                    |  |
| 55,000 (from 2016           | AOP provides education                                  | arising from the                                 | anticipated were not         |  |                                    |  |
| baseline of 48,500)         | programmes from pre-school                              | Planetarium's 50 <sup>th</sup>                   | maximised.                   |  |                                    |  |
|                             | to post primary, engendering                            | anniversary year.                                |                              |  | 10 visits from                     |  |
|                             | a passion for STEM subjects                             |  | Work commenced to            |  | schools who                        |  |
|                             | from an early age                                       |  | upgrade and enhance          |  | have not visited                   |  |
|                             |   |  | facilities and exhibits      |  | in the last 5                      |  |
|                             | AOP is partnering with the                              |  |                              |  | years                              |  |
|                             | Armagh Learning Community                               |  | Appointment of Education     |  |                                    |  |
|                             | to support the teaching of the                          |  | and Outreach Manager         |  | 40% of visits                      |  |
|                             | astronomy module of A level                             |  | February 2019                |  | from schools on                    |  |
|                             | Physics   |  |                              |  | the extended                       |  |
| D. Manah 2020 ta            | Outcome O. Ma one a shared                              | Dalines and analysts a                           | Complete d May 2010          | Complete a silet seet seisees  | schools register                   |  |
| By March 2020 to            | Outcome 9: We are a shared,                             | Deliver and evaluate a                           | Completed May 2018           | Complete a pilot post-primary  | E nost primary                     |  |
| have delivered at least     | welcoming and confident society that respects diversity | collaborative A-level Physics                    | 2019-20 course confirmed     | school programme to meet identified curriculum need  | 5 post primary schools to          |  |
| 4 post-<br>primary/tertiary | society that respects diversity                         | course within the Armagh area learning community | 2019-20 course commined      | laentinea curriculum need  | complete pilot                     |  |
| education outreach          | AOP provides outreach                                   | and develop a plan for 2019-                     |                              |  | programme                          |  |
| and engagement              | programmes to support TBUC                              | 20   |                              |  | programme                          |  |
| projects                    | objectives  | 20   |                              |  | 30 group events                    |  |
| By March 2021 to            | Objectives  | Develop and deliver a                            | 95% achieved                 | Market testing and   | from visitors                      |  |
| increase the                | Other examples include:                                 | Schools Engagement                               | 3370 defileved               | engagement including schools   | outside normal                     |  |
| percentage of children      | Collaborative outreach event                            | Programme to engage at                           |                              | not currently involved   | target audience                    |  |
| and young people            | with Ulster Orchestra in May                            | least 15,000 children and                        |                              | indication in the control of the con | of schools and                     |  |
| from Northern Ireland       | 2018;   | young people by March 2019                       |                              |  | families (e.g.                     |  |
| who have participated       | ,   | ,  |                              |  | community                          |  |
| o nave participated         |   | 1  |                              |  | ·································· |  |

| in AOP activities at   | Collaborative outreach with     |                               |                            |                    | groups, tour |
|------------------------|---------------------------------|-------------------------------|----------------------------|--------------------|--------------|
| least once in the last | other ALBs to support their     |                               |                            |                    | groups)      |
| 12 months to 15%       | programmes such as LNI          |                               |                            |                    |              |
|                        | summer programme 2017 and       |                               |                            |                    |              |
| By March 2019 to       | Celebration of Sport 2019       | Deliver Corporate Plan        | AOP contributing to the    | Market testing and |              |
| strengthen and         |                                 | objective as a baseline for   | establishment of the       | engagement         |              |
| improve AOP's          | Outcome 10: We have created     | future objectives and targets | Armagh City Civic Trust    |                    |              |
| contribution to and    | a place where people want to    |                               |                            |                    |              |
| engagement with civic  | live and work, visit and invest |                               | Participated in facilities |                    |              |
| society (measured      |                                 |                               | survey managed by ABC      |                    |              |
| through a stakeholder  | AOP visitor numbers – 44,000    |                               | Council                    |                    |              |
| survey)                | in 2018/19                      |                               |                            |                    |              |
|                        |                                 |                               |                            |                    |              |
|                        | Outcome 12: We give our         |                               |                            |                    |              |
|                        | children and young people the   |                               |                            |                    |              |
|                        | best start in life              |                               |                            |                    |              |
|                        |                                 |                               |                            |                    |              |
|                        | AOP provides education          |                               |                            |                    |              |
|                        | programmes from pre-school      |                               |                            |                    |              |
|                        | to post primary, engendering    |                               |                            |                    |              |
|                        | a passion for STEM subjects     |                               |                            |                    |              |
|                        | from an early age               |                               |                            |                    |              |
|                        |                                 |                               |                            |                    |              |
|                        | AOP is partnering with the      |                               |                            |                    |              |
|                        | Armagh Learning Community       |                               |                            |                    |              |
|                        | to support the teaching of the  |                               |                            |                    |              |
|                        | astronomy module of A level     |                               |                            |                    |              |
|                        | Physics                         |                               |                            |                    |              |
|                        |                                 |                               |                            |                    |              |

| Corporate Plan             | Outcome Delivery Plan             | 2018-19 Objective            | 2018-19 Progress                          | 2019-20 Objective          | KPI              |
|----------------------------|-----------------------------------|------------------------------|---|----------------------------|------------------|
| Objective By March 2021 to | contribution Outcome 5: We are an | Develop a project initiation | Exceeded – new target for                 | By March 2020 to have      |                  |
| achieve Museum             | innovative, creative society      | document scoping the         | museum status August 2020                 | positioned the necessary   |                  |
| Accreditation              | where people can fulfil their     | process and timelines to     | museum status August 2020                 | resources to achieve and   |                  |
| demonstrating AOP's        | potential                         | achieve museum status        |   | maintain museum            |                  |
| commitment to              | potential                         | demeve maseam status         |   | accreditation within the   |                  |
| managing its collection    | Collaborative partnership         |                              |   | Education structure        | By March 2020    |
| effectively for the        | with a private sector             |                              |   |                            | to have          |
| enjoyment and benefit      | company to deliver an AR          |                              |   |                            | developed an     |
| of its users               | project supported by              |                              |   |                            | OBC for          |
| By March 2020 to be        | Tourism NI                        | Work in partnership with     | AR now prime focus collaborating          |                            | consideration by |
| engaged in the             |                                   | other stakeholders to        | with Yellow Design and funded by          |                            | DfC/DoF          |
| development of             | Outcome 10: We have               | develop a business case      | Tourism NI to produce a                   |                            |                  |
| innovative digital         | created a place where             | and identify resources to    | prototype space park for 50 <sup>th</sup> |                            |                  |
| solutions that enable a    | people want to live and           | deliver a digital            | anniversary of the Moon                   |                            |                  |
| global audience to         | work, visit and invest            | architecture and heritage    | Landings.                                 |                            |                  |
| experience, appreciate     |                                   | project                      |   |                            |                  |
| and understand the         | Museum project to open up         |                              | Include digital architecture within       |                            |                  |
| contribution of AOP to     | AOP rich history and assets       |                              | the scope of Observatory future           |                            |                  |
| knowledge creation         | to tell the story of over 200     |                              | role as part of OBC and future            |                            |                  |
| through the ages           | years of astronomy in             |                              | National Lottery Heritage Fund            |                            |                  |
|                            | Armagh as a unique offering       |                              | bid                                       |                            |                  |
|                            | not available elsewhere in NI     |                              |   |                            |                  |
|                            | Working in partnership with       |                              |   |                            |                  |
| By March 2019 to           | ABC council to promote            | Deliver Corporate Plan       | AOP contributed to ABC council            | Deliver a summer           | 7                |
| contribute to the          | Armagh's rich heritage            | Objective and develop        | community planning process                | programme in               |                  |
| development and            |                                   | objectives for future years  | under the theme Enhanced and              | collaboration with other   |                  |
| implementation of          | Outcome 9: we are shared,         | to further embed and         | Revitalised Place.                        | Armagh City facilities     |                  |
| 'Place' within Armagh      | welcoming and confident           |                              |   | bringing 5,000 visitors to |                  |

| and vasional to mis     |                              | ambamaa sallabamatia:: -::! | ACD contribution to Arms -l-        | the wider Armee de area     |  |
|-------------------------|------------------------------|-----------------------------|-------------------------------------|-----------------------------|--|
| and regional tourism    | society that respects        | enhance collaboration and   | AOP contributing to Armagh          | the wider Armagh area       |  |
| strategies, recognising | diversity                    | partnership                 | tourism sector through              | (Museum of the Moon and     |  |
| the uniqueness and      |                              |                             | collaboration and engagement        | IAU Exhibition) during July |  |
| special contributions   | AOP motto 'we are all equal  |                             | with other visitor attractions      | 2019                        |  |
| of AOP                  | under the stars' providing a |                             | developing city wide activities.    |                             |  |
|                         | shared and neutral           |                             |                                     |                             |  |
|                         | environment enjoyed by all   |                             | AOP collaborated with an            |                             |  |
|                         |                              |                             | external provider to leverage       |                             |  |
|                         | Outcome 2: "we live and      |                             | £30,000 grant funding from          |                             |  |
|                         | work sustainably –           |                             | Tourism NI towards an AR pilot      |                             |  |
|                         | protecting the environment   |                             | project                             |                             |  |
|                         |                              |                             |                                     |                             |  |
|                         | AOP is responsible for two   |                             | AOP received £10,000 grant from     |                             |  |
|                         | Grade A listed buildings and |                             | ABC council Financial Assistance    |                             |  |
|                         | historic gardens that are    |                             | to assist with the social element – |                             |  |
|                         | unique and special           |                             | promoting the Borough to            |                             |  |
|                         |                              |                             | International Visitors              |                             |  |
| By March 2019 to        |                              | Deliver Corporate Plan      | SOC Lifecycle surveys               | By March 2020 to have in    |  |
| develop and             |                              | Objective and develop       | £563,000 investment in capital      | place a Conservation        |  |
| implement an Estates    |                              | objectives for future years | projects to enhance and maintain    | Management Plan to          |  |
| Management Strategy     |                              |                             | assets                              | safeguard the future of     |  |
| that respects, protects |                              |                             |                                     | AOP's Grade A listed        |  |
| and preserves the       |                              |                             | SOC approved allowing I enabling    | building and wider estate   |  |
| built and natural       |                              |                             | progress to develop OBC             |                             |  |
| heritage of AOP         |                              |                             |                                     | By March 2020 to have       |  |
| -                       |                              |                             | Engagement with Ministerial         | developed an OBC for        |  |
|                         |                              |                             | Advisory Group recognises AOP       | consideration and approval  |  |
|                         |                              |                             | future plans represent a project    | of DfC/DoF                  |  |
|                         |                              |                             | of international significance       |                             |  |
|                         |                              |                             | <b>5</b>                            |                             |  |
|                         |                              |                             | SIB support provided to engage      |                             |  |
|                         |                              |                             | Hamilton Architects to assist with  |                             |  |
|                         |                              |                             | reviewing options                   |                             |  |

| LEADERSHIP AND GOVE   | LEADERSHIP AND GOVERNANCE                |   |   |  |   |  |
|---|--|---|---|--|---|--|
| Corporate Plan  | Outcome Delivery Plan                    | 2018-19 Objective   | 2018-19 Progress  | 2019-20 Objective  | KPI   |  |
| Objective   | contribution                             |   |   |  |   |  |
| By March 2019,<br>develop a single<br>organisational brand<br>and identity that<br>clearly demonstrates<br>AOP's Vision and<br>Values and supports<br>the delivery of the<br>AOP Vision | Enablers to support delivery of outcomes | Deliver Corporate Plan<br>objective   | Complete  | Improve brand awareness Implement external and internal public signage strategy  | 50% of average ratings 4 or higher in Employee survey |  |
| By March 2020 to<br>have delivered an<br>agreed and resourced<br>restructuring proposal<br>and embedded HR<br>Strategy to develop a<br>culture which mirrors<br>AOPs Values             |  | Develop and implement a HR strategy to maintain a stable organisation structure, minimise risk and improve employee satisfaction levels (improving on 2017 baseline survey) | 2018-19 Action Plan 70% complete;  2019-20 Action Plan approved by SPRC  2018 employee survey demonstrated improved ratings across all themes (2017 baseline 6.4%; 2018 results 38.3%);  Leadership and Team Development Programme commenced with SMT | Continue to deliver a HR strategy and support the development of staff to gain the knowledge, skills and attitude necessary to deliver AOPs objectives | commercial income of £260,000 (£239,000 in 2018-19)   |  |
| By March 2019 create<br>an effective<br>performance culture<br>focused on delivery of   |  | Deliver Corporate Plan<br>objective   | New appraisal process implemented   | Included in HR strategy objective  |   |  |

| AOP Corporate           | Le                            | eadership and Team           |                            |
|-------------------------|-------------------------------|------------------------------|----------------------------|
| Strategy within a well- | de                            | levelopment programme        |                            |
| defined path from       | CC                            | ommenced with SMT            |                            |
| Vision Pillars –        |                               |                              |                            |
| Corporate Plan          | N                             | lew training budget          |                            |
| themes and objectives   | es                            | established for 2019-20      |                            |
| – business plan         |                               |                              |                            |
| objectives – team       | В                             | Bi-annual staff engagement   |                            |
| plans – individual      |                               | lay embedded                 |                            |
| objectives              |                               | ,                            |                            |
| By March 2021           | Engage with DfC sponsor 20    | 019-20 budget confirmed      | Complete Legacy record     |
| develop proposals for   | branch to secure core         | -                            | review                     |
| a further review of     | funding necessary to SI       | IB supported review on       |                            |
| governance              | complete the modernisation Eq | conomic Sustainability       | Complete an OBC for future |
| arrangements and a      | and change project to O       | Options completed            | development needs          |
| more commercial         | achieve a single              |                              |                            |
| approach to funding     | organisational structure £4   | 478,660 in year resource     |                            |
|                         | fu                            | unding secured in 2018-19    |                            |
|                         | Develop a strategy to         |                              |                            |
|                         | increase commercial funding £ | 542,600 capital projects     |                            |
|                         | de                            | lelivered in 2018-19         |                            |
|                         |                               |                              |                            |
|                         | 20                            | 2016-17 and 2017-18          |                            |
|                         | A                             | Annual Accounts laid and     |                            |
|                         | 20                            | 018-19 external audit        |                            |
|                         | pi                            | rogramme agreed              |                            |
|                         |                               |                              |                            |
|                         | 20                            | 2018-19 Annual Internal      |                            |
|                         | A                             | Audit Opinion 'Satisfactory' |                            |

## 5. Total AOP Budget 2019-20

### Resource

| INCOME   |            |
|--|------------|
| Sponsor Department Resource Grant-in-Aid         | £1,729,000 |
| Net trading income (Admissions, shop, café)      | £109,008   |
| Other income (rents, etc)                        | £24,150    |
| Total Income / Grant-in-Aid                      | £1,862,158 |
| DIRECT COSTS                                     |            |
| Salaries (Academic & Education)                  | £769,090   |
| Student Costs                                    | £63,107    |
| Library & Conservation                           | £14,400    |
| Travel, Meetings & visitor costs                 | £26,000    |
| Technical consumables, minor technical equipment | £35,000    |
| Other research costs                             | £16,500    |
|  | £924,097   |
| GOVERNANCE COSTS                                 |            |
| Management Committee costs                       | £3,600     |
| Audit  | £30,000    |
| Professional & legal Fees                        | £12,000    |
| Recruitment & Training                           | £17,800    |
|  | £63,400    |
| ADMINISTRATION & SUPPORT COSTS                   |            |
| Salaries (Management, finance & admin)           | £652,790   |
| Heat, Light, Insurance & Rates                   | £97,180    |
| Buildings, Grounds & Property Maintenance        | £138,481   |
| Post, Stationery, Telephony & Printing           | £38,610    |
| Other expenses                                   | £9,729     |
|  | £936,790   |
|  |            |

| LESS    | Overheads subsidised by external grants | -£62,129   |
|---------|---|------------|
|         | TOTAL EXPENDITURE                       | £1,862,158 |
| SURPLUS | / (DEFICIT)                             | £0         |

| External grant Income from scientific organisations | £235,407 |
|---|----------|
| Expenditure funded by external grants               |          |
| Salaries  | £84,974  |
| Student Costs                                       | £59,144  |
| Travel, Meetings & visitor costs                    | £27,600  |
| Technical equipment and consumables                 | £960     |
| Other costs   | £600     |
| Overheads funded by external grants                 | £62,129  |
|   | £235,407 |

Note: The table above shows research grants received from external scientific organisations for specific projects which are accounted for independently of DfC resource funding. These include a contribution (£62,129) towards organisation overheads.

Capital

A capital budget of £880,000 was allocated at the start of the year, made up as follows:

|                                   | £       |
|-----------------------------------|---------|
| Observatory repairs               | 160,000 |
| H&S to protect existing assets    | 50,000  |
| Refurbishment shop and café areas | 90,000  |
| Digistar Projector replacement    | 500,000 |
| Bailey House & Gatelodge upgrade  | 80,000  |

AOP has submitted an easement of £110,000 in respect of Observatory repairs as the work will not be completed in this financial year and has also been allocated a further £25,000 for additional work to the Bailey House & Gatelodge upgrade.